Author Index

Volume 102, July–December 2000

Aase SO, 1523
Abe M, 2365
Åblad B, 987
Aboulafia-Etzion S, III-56
Abraham P, e168
Abramov D, III-339
Abriel H, 584, 921
Abrutyn E, 2842
Abu-Halawa SA, 48
Abunasra H, III-302
Acar B, 1252
Accurso V, 2607
Achenbach S, 2823
Achord JL, 1726, 2309
Adams TD, 1623
Adelman DC, 2322
Ades PA, 1069
Adraï V, 313
Afek A, 1822
Afoke A, III-15
Agerholm-Larsen B, 2197
Aggoun Y, 813
Agmon Y, 2087
Agostoni P, e177
Agranat O, 2378
Aguilera FA, e14
Aguinaldo JG, 506
AHA Nutrition Committee, 2555
Ahlers BA, 2707
Ahmadi R, 2694
Ahmed JM, 7
Ahn C, 1901
Aikawa M, e99
Aikawa R, 2873
Ainsworth BE, 1623
Aiyar N, 1315
Aizawa Y, 2829
Ajani UA, 500
Akhtar M, 2309
Akintürk H, e178
Akishita M, 1684
Akita GY, 2255
Akkerhuis M, 1101
Akl B, 3023
Aksehirli TO, III-312
Alaïbac M, III-222
Alaupovic P, 1886
Al-Bassam M, 2945
Alber DG, 779
Albertal M, e44, 1434
Alboni P, 294
Albory K, 1828
Albrecht CA, 2792
Alders M, e122
Aleksic N, 1901
Alessandrini F, 1497
Alessandrini P, 539
Alexander J Jr, 2466
Alexander JC, 149
Alexander RW, IV-112
Alexiene R, 1602
Ali NM, 951
Aliberti JCS, 3003
Alitalo K, 2262
Alla F, 2700
Allen A, 1755
Allen SA, 419
Allessie MA, 260, 2650
Almendral J, 3080
Alméras N, 179
Al-Mohammad A, e31
Al-Obaidi MK, 605
Alpert JS, 1193
Alvarez A, 2118
Alvarez-Sala LA, 1020
Al-Zaghrini GJ, e189
Amann K, 2172
Amarenco P, 313
Ambrosch A, 1964
Amrani M, 1382, III-302
An J, 1172
Anand IS, 1840
Anania V, 2111
Anders RJ, 149
Anderson HV, 48, 2792, 2910
Anderson JL, 1227, 1755, 1917
Anderson KM, 2923
Anderson TJ, 2938
Angelini GD, 1530
Angelsen B, 1158
Angermann CE, 1315
Anglés-Cano E, e184
Anker SD, 3060
Annex BH, e108
Anti-Platelet Useful Dose (APLAUD) Study Investigators, 728
Antman EM, 1193, 2031
Anton M, 948
Antoniadis A, 1937
Antzelevitch C, 706
Anversa P, 565
Anzuini A, 3028
Aoki M, 1308
Apaydin A, III-248
Appel LJ, 852, 2284
Apple FS, 1216
Applegate WB, 2228
Appleton CP, 1788
Apstein CS, 2643
Arakaki Y, 2732
Archambeau M, 761
Archer S, 2781
Arenal A, 3080
Arens H-J, e187
Arita Y, 1296
Ariyo AA, 1773
Armaganidis A, 2011
Armstrong PW, 611, 728, 1375, 1761, IV-1, IV-2
Armstrong S, III-5
Arnold R, 2024
Arthur PG, 3124
Aryee S, 1602
Arzbaecher R, 823
Asano T, 2873
Ascione R, 1530
Asfour B, 1602
Ashley R, 2335
Atar D, 1221
Atrial Pacing Peri-Ablation for Paroxysmal Atrial Fibrillation (PA^3) Study Investigators, 736
Auch-Schwelk W, 2024
Auerbach MA, e31
Autelitano DJ, 2707
Autschbach R, III-1, III-95
Avanzini F, 636
Avila R, 1589
Avril N, 948
Awad IA, 2300
Ayanian JZ, 1726
Ayers GM, 1407
Aylward P, 1761
Azakie A, III-40
Azar RR, 144
Aznag H, III-166
Aznar J, 1924
Azzi A, 82

Babbs CF, e181
Bacha EA, III-44
Bache RJ, 2997
Bachinski LL, e100
Bacon PA, 1470
Bader A, III-50
Badimon JJ, 506
Badorff C, 2276
Bagrov AY, 3009
Bailey JJ, 823
Bailey KR, 558
Bailey MS, III-70
Bailey SR, 523
Bailey WE, 742
Baim DS, 523, 1120
Bair TL, 1227, 1917
Baker AH, 231
Baker RL, 2503
Bakhsheshi H, e103
Bal E, 386
Bala MV, 2923
Balady G, 1726
Balady GJ, 1069, 1463, 1591
Baldus S, 2024
Bando K, III-30
Bang N, 1107
Banga JD, 1645
Banner NR, 326, III-352
Barbash IM, III-56
Barbic F, 1912
Barbone A, 2713
Barentsz JO, 597
Barlas Z, 3039
Barner HB, III-70
Baroffio C, 1795
Barr E, 2466
Barrett-Connor E, e96
Barron HV, 2329
Barsness GW, 517
Bartel S, 1814
Bartelds B, 926
Barth U, 1145
Bartling B, III-188
Barton M, 2434, III-188
Barton PJR, III-352
Barzegar S, 2816
Bash D, 1879
Basso C, 1863
Battaglia C, 113
Battler A, III-56
Bauer F, III-101
Bauer KA, 2816
Bauersachs J, 2325
Baum U, 2823
Baumann G, 1132
Baumann MH, 2836
Bäumer AT, 1828
Baumgarten G, 1302
Bautz W, 2823
Bavaria JE, III-35
Bazari H, 2966
Bazzarre T, 1069, 1463, 1591
Bazzarre TL, 2284
Bazzino OO, e177
Beaglehole R, 1511
Beanlands RSB, 2070
Beasley JW, 1193, 1726
Beato F, 2426
Beaufort-Krol G, 926
Bech GJW, 2371
Becker ER, 392
Beckerath N, 197
Bederson JB, 2300
Bednarz J, 2441
Behar S, 2484
Behr TM, 1315
Behren V, e187
Behrenbeck TR, 2411
Behr-Roussel D, 1033
Beilin LJ, 1264
Bekker JM, III-172
Bekkers BC, 677
Belardi J, 2930
Belardinelli L, 285
Belgore FM, e108
Bell MR, 517
Bella PD, 2509
Bellamy MF, e92
Belli E, III-166
Belli R, 2907
Bellinger DC, 883
Bellone P, 858
Belton O, 840
Bénardeau A, 104
Benedict CR, 1990
Bengel FM, 948
Ben-Haim SA, e123
Benhorin J, 584, 921, 2849
Benjamin N, e37
Bennett CL, 2810
Benovic JL, 2535
Benser ME, 2659
Bent-Hansen L, 319
Beppu S, 2516
Beraprost et Claudication Intermittente (BERCI) Research Group, 426
Berdah P, e18
Berdan LG, 1093
Berezin R, 1369
Berger AK, 642
Berger J, 2024
Berger PB, 517, e29
Berger RD, 698, 3053
Berger S, III-130
Bergeron J, 179
Bergholm R, 2687

Berglund L, 2576
Berink P, 149
Berk M, 2385
Berlin JA, 2842
Bernardi VH, 2180
Bernheim J, 238
Berry GJ, III-228
Berson A, 823
Bertrand ME, 624
Bertrand OF, e121
Bérubé J, 275
Besse B, 426
Best PJM, 2028
Bestehorn H-P, 2497
Betriu A, e29, 1761
Betteridge J, 2473
Betts TR, 419
Beyersdorf F, 3074
Bhagat K, 994
Bhatt DL, 28, e19, 1101, 2952
Biamino G, III-253
Bick RJ, 2599
Bielak LF, 380
Biffi A, 278
Bigard X, 1847
Bili A, 1258
Billing CB Jr, 2385
Biondi-Zoccai GGL, e177
BIP Study Group, 21
Birkmeyer NJO, 2973
Birks EJ, 326, III-15, III-352
Bishop AE, 326
Bjurø T, 987
Black E, 1744
Black SM, III-172
Blackburn MEC, e178
Blair E, e100
Blais M, 1605
Blanco, 2892
Blanco-Bose WE, 898
Blanco-Colio LM, 1020
Blankenberg FG, III-228
Blann AD, e108
Blau HM, 898
Bleeke T, 2172
Bloch KD, 1440, 2880
Block PC, 2945
Bloise R, 945, 2509
Blum A, 2758
Blume ED, 2094
Böhm M, 3104
Boccuzzi SJ, 392
Bocksch W, 890
Bode C, 1490, 1761, e169
Bodian CA, III-248
Boekstegers P, 915
Boersma E, 2930
Boersma L, 2650
Boerwinkle E, 1877, 1901, IV-40
Bohle RM, 357, 1977, 2758
Böhm M, 1828
Boissel J-P, 426
Boissonnet CP, e177
Boldi E, 546
Bolz S-S, 2402
Bom N, 617
Bon GB, 539, 771
Bonaglia MC, 432
Bonan R, 2938, e121
Bond BR, 1944
Bond M, 3046
Bonhoeffer P, 813
Bonhomme E, 1033
Bonn J, 268
Bonneau HN, 1657
Bonnet D, 813
Bonnier HJRM, 2371
Bonow RO, e73, 1120
Boomsma F, 203, 1556
Boone AW, 1726, 2309
Borea PA, 285
Borecki IB, 1956
Borowsky LH, 11
Borst C, 1186
Borst MM, 1145
Borzak S, 2458
Bossaert L, 1780
Bosselmann H-P, 1964
Botnar RM, 2582
Botticella F, 113
Böttiger C, 197
Bouchard C, 1956
Boucher CH, 1330
Boudjemline Y, 813
Boujedaini H, 491
Bourassa MG, 2945
Boutjdir M, e88
Bouzo H, e187
Boyd J, 1126
Boyko V, 2484
Boyle D, 1245
Bradley SM, 2282
Bradley TD, 61
Brand NJ, III-216, III-359
Braunwald E, 118, 149, e19, 1193, 1886, 1893, 2031, 2329, IV-14
Breall JA, 1651
Breinholt JP III, III-179
Brener SJ, 28
Breslow JL, 5, 2347
Bressi C, 1290
Breuer S, 1000
Breyer T, 3074
Briand M, III-10
Bricker JT, 1542, IV-58
Brignole M, 294, 2509
Briguori C, 3028
Brill T, 948
Brilla CG, 1388
Brink M, 2680
Brinton EA, 2347
Bristow MR, 484, IV-14
Brochériou I, 2569
Bröckel U, 405
Brockmeier K, e93
Brodie BR, e29
Brodsky MA, 2385
Broeders MAW, 677
Broekman MJ, 1924
Bronsaer R, 677
Brookes C, e107
Brott T, 2300
Brown AL, 173
Brown J, 1014
Brown KA, 1726
Brown NJ, 829, e43, 2190
Brucato A, e88
Brundage BH, 126
Brunelle F, e173
Brusca A, 2907
Bruschke AVG, 1629
Brutsaert DL, 630
Bucciarelli T, 539, 1007
Buchholz-Varley C, e41
Buck T, 1053
Buda T, III-101, III-200
Budaj A, 1014
Budoff MJ, e20, e103
Budts W, 2880
Buerke M, 2758
Bujac SR, 2058
Buller CE, 1748
Bulpitt CJ, 1139
Bunce N, 1461
Bunce NH, 3148
Bunch TJ, 1755
Burch PE, e100
Buring JE, 500
Burkard T, 3074
Burke V, 1264
Burkhoff D, 2713
Burnes JE, 2152
Burnett J, 883
Burnett JC Jr, 338
Burrell K, 1814
Burton DA, 858
Burton JR, 1748
Burton PBJ, 326, III-352
Bush A, III-142, III-154
Bustos C, 1020
Buurman WA, 1420
Buyon J, e88
Byington RP, 1503, 1893
Byrne D, 840

Cabo C, 584, 2417
Cabot CF, 2923
Cacela D, e189
Caforio ALP, III-222
Caggiati A, e33
Cagide A, e177
Cai B, 2713
Cai TH, e102
Cailteux M, III-116
Cairns R, 2031
Calabrò MP, e123
Caldwell RW, e90
Califf RM, 728, e29, 1093, 1101, 1193, 1340, 1375, 2923, 2952
Caligiuri G, 1114
Calkins H, 698
Callenbeck C, 1602
Calori G, 1530
Calvin J, 1014
Camastra S, 2233
Camici PG, 1233, e189
Campeau L, 157
Campini R, 1795
Cancelas P, 1020
Cannon CP, 149, e19, 2329
Cannon RO III, 820, 2990
Capewell S, 1126, 1511
Capogrossi MC, 225, 565
Cappato R, 748, e123
Caputo M, 1530
Carabello BA, 470, 1045, 2910
Card T, 728
Cardinal R, 275, 1883
Cardiovascular Health Study Collaborative Research Group, 1773
Carlier SG, e95, 2930
Carlquist JF, 1227, 1755, 1917
Carlson DL, e14
Carlson MD, 1283
Caroselli C, 2300
Carr M, 2228
Carrel TP, 1068
Carrozzo R, 432
Carruthers DM, 1470
Carr-White GS, III-15
Cartier P, III-10
Cartier R, 1330
Cas LD, 546, 636
Casarotto D, III-222
Caselli G, 278
Casey SA, 858
Casey TM, 3124
CASH Investigators, 748
Caspi A, 149
Casscells W, 3039
Castellano NP, 3080
Catelli L, e88
Catellier D, 1748
Catravas JD, 2011
Cecchi E, 2907
Cecchi F, 858
Cellini C, 1497
Cercek B, 602, 1611
Cervinka P, e175
Chagnon YC, 1956
Chaitman BR, 1463, 1591, 3032
Chalmers JWT, 1126
Chamberlain D, 1780
Chambers JC, 2479
Chambless LE, 1901
Chan DP, 1283
Chan K-L, e102
Chan R, 728
Chang M-S, 67
Chang W-C, 1375
Chang YC, 11
Channer KS, 1906
Channon KM, 1744
Charlamb M, 123
Charlesworth A, 149, 203, 2031
Charney RH, e41
Chase KP, 3086
Chauvin M, 2463
Chawla M, 332
Cheah AYL, III-289
Chédru F, 313
Cheitlin MD, 1193
Chelliah J, 902
Chen CR, e18
Chen HJ, 2100
Chen J, III-281
Chen JM, III-194
Chen P-S, 1569, 1664
Chen S-A, 67
Chen YJ, 2997
Cheng TO, e18, e98, e180
Cheong W-F, 591
Cheung D, 755
Chiariello M, 113
Chierchia S, 2619, e123
Childs MB, 2391
Chilian WM, 3098
Chinaglia A, 2907
Chin-Dusting JPF, 2707
Chirkov YY, e87
Chirkova LP, e87
Chiu CSW, 755
Chiu JK, 951
Cho L, e69
Cho SY, 2938
Chough SP, 2503
Chow T, 2045
Christ M, 2325
Christakis GT, III-339
Christow SP, 2159
Chronos N, 1605
Chronos NA, e73
Chugh SS, 649
Chyatte D, 2300
Chyu K-Y, 602, 1611
Ciabattoni G, 539, 1007
Ciaccio EJ, 464

Ciafré SA, 2111
Cifra PN, 332
Cimaz R, e88
Cini G, 2233
Cipollone F, 539, 1007
Cirillo P, 113
Civitello A, e53
Clair MJ, 1447
Clark BJ III, III-136
CLASSICS Investigators, 624
Clee S, 1629
Cleland JGF, e41, 611
Cleman MW, 523
Clement D, 1139
Clémenty J, 1517
Clevenger CM, 1270, 1351
Cline H, 1589
Clémenty J, 2463, 2565
Clough R, 2973
Clubb FJ Jr, 1690
Coady P, 2945
Coates G, 2070
Coatney RW, 1315
Coats AJS, 2214
Coats AJS, 3060
Cobbe S, 1893
Cochrane A, 1814
Cockburn M, 2671
Coen V, 1434
Coen VL, 1484, e121, e175
Coggins MP, 531
Cohen D, 2938
Cohen DJ, e73, 1120, 1369
Cohen H, 2945
Cohen M, 2484
Cohen MV, 579
Cohen S, III-56
Coker ML, 1944
Colan SD, 1542
Colditz GA, 494
Cole TG, 1886
Coles JG, III-123
Collen D, 1766, 2880
Coller BS, e186
Collier C, 1221
Collins P, 1617
Collins R, 1082
Collinson PO, 605
Colombo A, 371, 951, 2938, 3028
Colombo C, 2169
Colucci WS, 1718, 2222, 2249
Comoss P, 1069
Compton SJ, 2849
Condorelli GL, 2111
Conner JA, 1549
Connolly SJ, 736
Conrad B, 1536
Conradt C, e169
Conroy RM, 605
Conversano A, e123
Cook EF, e106
Cook JR, III-84
Cooke JP, 1414, 2322, 2629
Cooley DA, IV-87
Cooper JA, 2816
Cooper L, 173
Cooper R, 3137
Cordi A, 1033
Corey L, 2335
Cormier B, e18
Corradi D, 636
Corrado G, e177
Corso PJ, 2799
Cosgrove DM, III-90
Costa MA, 1434, 1484, e175
Cotter B, 1427
Couillard C, 179
Coulam C, 1589
Coumailleau S, 1033
Coupal L, 722
Cowan DB, III-365
Cowley M, 2945
Cox ID, 1461
Cox SV, 1671
Coyne KS, 1245
Criger DA, e29
Cropley M, 2473
Cross J, 994
Crotti L, 945, 2509
Crow RS, 1239
CRUISE Investigators, 523
Crumbley AJ, 1944
Csako G, 2491
Cuccurullo F, 1007
Culasso F, 278
Culler S, 392
Cunha FQ, 3003
Cupples LA, 3092
Cura FA, 28
Currie RW, 1703
Cushman M, e96, 1773
Custodis F, 3104
Cutler J, 3137
Cutlip DE, 1369
Cwajg E, 438
Czernin J, e31

Dabir R, 761
Daebritz S, III-22, III-44, III-160
Daemen MARC, 1420, 1564
Daemen MJAP, 1564
Dafni UG, 2011
D'Agostino R Jr, 42
D'Agostino RB Sr, 1634
Dagum P, III-62
Dahdal MD, 3148
Dake MD, 332
Dalby A, 1761
Daleau P, 275, 1883
Dallapiccola B, 432
Dalton N, 2396
Danchin N, 3032
Danesh J, 1082
Danesino C, 432
Dangas G, 2799
Daniel WG, 2823
Daniels SR, 2284
Danser AHJ, 1556
Daoud EG, 761, 1407
Dar A, III-56
Darbar D, 1337
Darling SE, 3086
Dart AM, e179
Das DK, III-346
Daughters GT, III-62
Dávalos A, e27
Davì G, 539, 1007
David TE, III-5, III-40
Davidson-Ray L, 2923
Davie N, 3130
Davies LC, 2214
Davison D, 3068
Davos C, 3060
Dawood F, 2983
Dawson K, 1407
Daya M, 173
Dayton PA, 531
De Bruyne B, 2371, 2930
de Feyter PJ, 511, e6, e71
de Gasparo M, 1447
de Groot AC, 2553
de Groot PG, 1645
de Groot SHM, 2137, 2145
de Kam PJ, 203
de Korte CL, 617
de la Lande IS, 2810
de Leeuw PW, 1139
de Lemos JA, 2031
de Leval MR, III-148
de Lezo JS, 2938
De Maeyer M, 1766
De Mey JGR, 2892
De Meyer GRY, e99
de Milliano PAR, 2553
de Nigris F, 2111
De Oliveira e Silva ER, 2347
De Sousa E, 1847
de Wit C, 2402
de Zeeuw D, 203
Dean LS, 1364
Deanfield JE, 994, 2473, III-148
Deaton DW, III-84, III-346
DeBakey ME, 1871, III-183
Debatin KM, 915
Dec GW, III-107
Deckelbaum RJ, 2284
DeFreyte G, 1045
Deisenhofer I, 2463, 2565
deKemp R, 2070
Dekker JM, 1239
del Balzo U, 3111
del Nido PJ, III-365
Delafontaine P, 2680
Dellavecchia C, 432
DeMaria AN, 1427, 3111
Demarsin E, 1766
Demer LL, 2636
Demertzis S, III-79
Demirakca S, e93
DeMuinck E, 1564
den Boer A, e121
Denecker G, 1420
Denfield SW, 876
Denollet J, 630
Deriu GP, 771
Derrick GP, III-154
Derumeaux G, 491
Derwand R, 2402
DeSanctis R, 1950
Desideri G, 2359
DeSouza CA, 1270, 1351
Després J-P, 179
DESTINI Study Group (Doppler Endpoint STenting INternational Investigation), 2938
Desvaux B, e168
Desvigne-Nickens P, 3137
Detrano RC, e20
Detre KM, 2945
Deutsch E, 523
Devaraj S, 191
DeVault AR, 2322
Di Gregorio D, 1007
Di Gregorio V, III-326
Di Mario C, 2938, 3028
Di Paolo FM, 278
di Terlizzi M, 1233
Diamantopoulos L, e95
Dibbs Z, 1302
Dicandia C, 2619
Dickfeld T, 890
Diedrich A, 2611
Diegeler A, III-1, III-95
Dierkes J, 1964
Dietz R, 2159
DiFonzo N, 3015
Digilio MC, 432
Dilsizian V, 1605
DiMarco JP, 2309, 2665
Dimayuga P, 602
Dimmeler S, 1000, 2276
Dinenno FA, 1270, 1351
Ding Y-A, 67
DiPaola NR, 3046
Dirschinger J, 2593
DiSalvo TG, III-107
DiScipio AW, 2973
Diver DJ, 523
Diver MJ, 1906
Djoussé L, 3092
Doba N, 2365
Dobovisek J, 1139
Dobrev D, 692
Dobs A, 1773
Doehner W, 3060
Doerschuk CM, 3015
Doevendans PA, 677
Doevendans PAF, 1564
Dofetilide Atrial Fibrillation Investigators, 2385
Doherty TM, e20
Dohrmann U, 3074
Doi H, 670
Doll N, III-95
Domanovits H, e166
Domingo M, 1611
Domröse U, 1964
Donald AE, 994, 2473
Donaldson MC, e106
Dong E, 96
Donnelly JE, 655, 1276
Doppler Endpoints Balloon Angioplasty Trial Europe (DEBATE) II Study Group, 2930
Dorais M, 722
Döring A, 405
Dorland R, 260
Dörner A, e66
Dorros G, 2945
Dota C-D, 987
Dotzer F, 2593
Douglas PS, 126
Dousset B, 2700
Dow RW, 2973
Downey JM, 579
Dracup K, 2443
Dragu A, 3074
Draoui YC, 1245
Drolet B, 275, 1883
Drummond F, 2058
Dschietzig T, 1132
Du R, 2997
Duan J, III-370
Dübener LF, III-79
Dubuc M, 736, 2856
d'Udekem Y, III-116
Dullum MKC, 2799
Dumesnil JG, III-10
Dumont EAWJ, 1564
Duncker DJ, 1556
duPlessis AJ, 883
Dutka DP, 1276
Dyke C, 2952
Dzau VJ, 1684, IV-112
Dzavik V, 1748

Eagle KA, 1193
Easley KA, 1542
Eastwood M, III-15
Eberli FR, 2643
Echigo S, 2732
Eckel RH, 2284
Edic P, 1589
Edvardsen T, 1158
Edwards NM, III-194
Edwards S, III-15
Eftestøl T, 1523
Egashira K, 806, 2243
Egbrink MGA, 677
Egger G, 14
Egido J, 1020
Ehara S, e25
Ehnholm C, 2687
Ehrlich MP, III-248
Eidt JF, IV-46
Eigler NL, 1611, 3117
Eisenberg MS, 2100
Eisenhauer AC, 1671
Eisenman PA, 1623
Elam M, 2076
Elbaz A, 313
Eleuteri E, 1795
Elhage R, 2919
Ellis SG, 28, e19, e29, 2915
Ellison RC, 3092
El-Sherif N, e88
Elsner M, 2024
Emanueli C, 565
Emanuelson H, 1761
Emeis JJ, 2803
Emoto Y, 663
Endres M, 3104
Eng C, e41
Engel D, 1690
Engelman RM, III-84, III-346
English KM, 1906
Enholm B, 2262
Ennezat PV, 2210
Enriquez-Sarano M, 558, 1400
EPILOG Investigators, 2923
Epstein N, 35
Epstein SE, 2491
Eränen J, 1394
Erdman JW Jr, 2284, 2555
Erdmann J, e112
Erdner JF, 1027
Ergin MA, III-248
Erhardt L, 3032
Erlinger T, 852
Ernst SMPG, 386
Ershler PR, 685
Ertl G, 2325
Esakof DD, 965
Eshel Y, 238
Esnouf MP, 2058
Espada R, e189
Esplugues JV, 2118
Esposito N, 113
Etoh T, 1944
Evans T, 2210
Everett TH, 1454
Everson SA, 1394
Exley AR, 1470

Füchtbauer E-M, 3074
Fabian I, 238
Fabiani J-N, 1033
Fagard RH, 1139
Faggin E, 771
Fajardo LF, 1414
Falk V, III-1, III-95
Fallavollita JA, 908
Fallen E, 2070
Fallon JT, 506, 786, e99, 2180
Fan K, 755
Fanelli R, 1879
Farah B, e18
Farquhar WB, 3086
Farrell A, III-302
Farver CF, 1950
Fateh-Moghadam S, 890
Fathman CG, 2629
Faxon D, 2945
Faxon DP, 126, 1193
Fayad ZA, 506
Fazzi GE, 2892
Fedderly RT, III-130
Fedorova OV, 3009
Feeley BT, III-237
Feinberg MS, 2378
Feindel CMS, III-339
Feinleib M, 642
Feld GK, 2385
Feldman AM, 272
Feldman J, e11
Feldman RS, 2842
Felix SB, 1132
Fellner C, 2694
Fellows C, 1407
Feltrin G, III-222
Feng Y, 2185
Ferdinand FD, III-90
Ferguson DW, e119
Ferguson JJ III, e53
Fernandez-Violante R, 2898
Ferrannini E, 2233
Ferrans VJ, 2990
Ferrara K, 531
Ferrari M, 2959
Ferreirós ER, e177
Ferrell MA, 2643
Ferri C, 2359
Ferrick KJ, 937
Festa A, 42
Fetics BJ, 3053
Feuerstein GZ, 1315
Fichtlscherer B, 2276
Fichtlscherer S, 1000
Fieno DS, 1678
Fiessinger J-N, 426
Figulla HR, 2959
Filardo S, 2322
Filer A, 1470
Filippatos GS, e170
Fine S, 2396
Fineberg N, 1107
Fineman JR, III-172
Fink L, 357, 2758
Finkel MS, 2162
Finlayson A, 1126
Firnau G, 2070
Firstenberg MS, III-101
Fischer C, 1145
Fishbein GA, 1569
Fishbein KW, 565
Fishbein MC, 602, 3117
Fisher J, 1062, e181
Fisher JD, 937
Fiszman M, III-210
Fitzgerald DJ, 840
Fitzgerald FS, 61
Fitzgerald P, 2322
Fitzgerald PJ, 523, 951, 1657
Flack JE III, III-84, III-346
Flaim SF, 3111
Flamm SD, e171
Flannery M, III-194
Flapan DAA, e43
Fleck A, 2082
Fleck E, 890, e112
Fleg JL, 1463, 1591
Fletcher B, 1591
Floemer F, e93
Fluck DS, 1461
Fogarty TJ, e36
Fogel MA, 218
Foley DP, e44, e95
Folliguet T, e173
Folsom AR, 1239, 1901
Fontana D, 552
Foody JAM, III-90
Forman SA, 157
Forouhi NG, e96
Forrester JS, 126, 157, 2353
Forslid A, 1039
Forte P, e37
Fortina AB, III-222
Fortmann SP, 3137
Foster D, 2347
Foster E, 364
Fotopoulos G, 1382
Fountain-Dommer RR, 2282
Fox J, 2849
Fox PR, 1863
Fraccarollo D, 2325
Francis CW, 1258
Francis DP, 2214, 3060
Francis G, e65, e182
Francis GS, 3046
Franconi F, 2111
Franklin RC, III-142
Frankowski RF, 2204
Franz MR, 1252
Fratta L, 552
Frazier OH, IV-87
Frederik P, 1564
Freedman NJ, 793
Freedom RM, III-123, IV-58
Freeman R, 3086
Fremes SE, III-339
French DL, 786
Frey AW, 2497
Friedberg DZ, III-130
Friedman L, 3137
Fritzer M, 290
Froelicher VF, 126
Frommelt MA, III-130
Frommelt PC, III-130
Fromy B, e168
Frye RL, IV-24
Fu D, 3046
Fu Y, 1375
Fuchs S, 1120
Fujii H, III-269
Fujino N, 663
Fujita M, III-307
Fujiwara H, 2063
Fukuhiro Y, III-319
Fukuma T, 458
Fukushima K, 865
Fuller MS, 685
Fuller TC, III-179
Funahashi T, 1296
Funakoshi Y, 1834
Funck RC, 1388
Funk E, 438
Furberg CD, 1503, 1773, 1893
Furlan R, 1912, 2898
Furman V, 238
Fuse K, 2829
Fuster V, 166, 506, 1193, 2180, IV-94

Gabel BR, 786
Gaenzer H, e16
Gaetano C, 225
Gaíner JV, 829, 2190
Galante A, 2588
Galantowicz M, e14
Galatius S, 319
Galetta F, 2233
Galis ZS, 2861
Galiuto L, 3111
Galla JD, III-248
Galle J, 2402
Galli C, 2169
Galli M, 1795
Gallina P, 539
Galt JR, 1605
Galvan AQ, 2233
Galvani M, 1216
Gambhir SS, e31
Gambino A, III-222
Gansbacher B, 948
Ganz P, 846
Gao MH, 2396
Garabédian EN, e173
Garbarz E, e18
García J, 3080
Garcia-Moll DX, e63
Gardner MJ, 736
Gardner TJ, 1193
Garfinkel A, 1569, 1664
Garg RK, 2441
Gariepy CE, 2765
Garratt KN, 517
Garrigue S, 2463
Gaschino G, 2907
Gasowski J, 1139
Gaspardone A, 2359
Gasparini M, 2509
Gastmann O, 2959
Gaudet D, 179
Gaudette GR, III-312
Gaudino M, 1497
Gauvreau K, 883, 2094
Gawaz M, 890
Gay WA Jr, III-70
Gaynor JW, III-136
Gaziano JM, 307, 500
Ge Z-D, III-296
Geelen P, 275
Geller NL, 157
GENIC Investigators, 313
Gennser G, 2739
Gentile F, 2087
Gentile M, 2359
Gentles TL, 883
George J, 1822
George M, e187
Geppert A, 290
Gerard R, 2880
Gerdes AM, 253
Gerin V, III-116
Gersh BJ, 642, 1651
Gershlick AH, 624
Gerstein HC, 1014
Gertz K, 3104
Gervino EV, 1726
Geselowitz D, 823
Geske R, 332
Gessi S, 285
Ghani M, e118
Ghannam AF, 2466

Ghatei MA, 1617
Ghezzi P, 636
Ghiadoni L, 2473
Ghisio A, 2907
Giani P, 294
Giannitsis E, 211, 2038
Giannotti A, 432
Giannuzzi P, 1795
Gibbons RJ, 1193
Gibbs JL, e178
Gibbs JSR, 3148
Gibson CM, e19, 2329
Giesler T, 2823
Giglio S, 432
Gijzel AL, e121
Gilburd B, 1822
Gillijns H, 2880
Gillis AM, 736
Gimelli G, 432
Ginzton LE e20
Gioffrè PA, 2359
Giordano FJ, e73
Giordano U, 2509
Giorgianni JA, 2915
Giovannini T, 2509
Girbes ARJ, 203
Girma J-P, 2460
Girouard SD, 2659
Giubbini R, 546
Giugliano RP, 2031
Giuli LC, 2849
Givertz MM, 1718
Gleiter E, 948
Glennen S, III-15
Glieca F, 1497
Gliner BE, 1780
Global Use of Strategies to Open Occluded Coronary Arteries (GUSTO) IIb Investigators, 1375
Glynos C, 2011
Gnecchi-Ruscone T, 1233
Gneiting B, 405
Go AS, 11
Gobel FL, 157
Godin D, 2861
Goettsch W, III-188
Goff DA, 2094
Goff DC Jr, 2204
Gohman TE, 858
Goines D, 2391
Gold MR, 2239
Goldberg AT, 1944
Goldberg IJ, 2284
Goldberg MA, 2255
Goldberg R, 173
Goldfarb JW, 597
Goldman BS, III-339
Goldman DS, e46
Goldman L, e106
Goldman MH, 3023
Goldstein MR, e39
Goldstein S, 1990
Golino P, 113
Gómez-Gerique J, 1020
Gonzalez O, e100
Gonzalez S, 3080
Goodfield NER, e43
Goodwin DA, 779
Gordon E, 2070
Goree-Best P, 55
Gossett KA, III-281
Goto Y, e107
Gottlieb S, 2484
Gottlieb SS, 2222
Gotto AM Jr, IV-94
Gowdak LHW, 565
Grady KL, 2443
Graffagnino C, 728
Graham IM, 605
Graham KJ, 858
Grahame-Clarke C, 779
Grandel U, 2758
Grandjean F, III-116
Granett J, 728
Granger CB, e29, 1375
Granot Y, III-56
Grant WB, e28
Grauhan O, 1724
Graw SL, 432
Grayburn PA, 55
Grayston JT, 1742, 2335
Green GR, III-62
Green LS, 685
Greenberg BH, 2222
Greenberg NL, III-101
Greenhouse SW, 1245
Greenland P, 126
Grego F, 771
Gregoratos G, 1193
Gregory RJ, 2255
Gretz N, 2325
Griepp RB, III-248
Griffin GE, 994
GR-II Randomized Clinical Trial Investigators, 1364
Grill DE, 517
Grimm H, 357
Grimminger F, 2758
Grobbee DE, 1645
Groop P-H, 716
Gross JN, 937
Grotta JC, IV-75
Grover SA, 722
Grube E, 3028
Grundy SM, 126
Grünig E, 1145
Gu J-L, III-281
Gu Y, 2873
GUARd During Ischemia Against Necrosis (GUARDIAN) Investigators, 3032
Guerci AD, 1093
Guerra P, 2856
Guerrero JL, 1053
Gugliotta F, 2619
Guleserian KJ, III-44
Gullestad L, 987
Gulletta S, 2619
Gummert J, III-95
Gunasinghe HR, 1944
Gupta S, 1840
Gurné O, 2930
GUSTO-I Angiographic Study Investigators, 1245
Guyton RA, III-332
Guzik TJ, 1744
Gwechenberger M, 290

Haan M, 1773
Haas G, III-200
Habazettl H, 915
Haberbosch W, 357
Haberer D, III-95
Haberland ME, 75
Hachamovitch R, 126
Hack CE, e63
Hademenos G, 2300
Hadjipetrou P, 1671
Haeusslein E, 2222
Haffner SM, 2, 42
Hagège AA, III-210
Haines DE, 1454
Haïssaguerre M, 1517, e123
Haitsma DB, 1556
Hakala-Ala-Pietilä T, 2687
Häkkinen TP, 2262
Halbrook HG, 1549
Haley EC Jr, 2300
Haley JH, e52
Haley KJ, 2185
Hall C, 987
Haller H, 2611
Halliwill JR, 1473
Halperin HR, 698
Hamada T, 2516
Hamawaki M, 1045
Hamburger JN, e22, e44
Hamdan MH, 1027
Hamilton JRL, e178
Hamm CW, 118, 2024
Hammes LVN, 517
Hammond HK, e73, 2396
Hampton JR, 203
Hanawa H, 2829
Hancock WW, 2426
Handschumacher MD, 1053
Hanis CL, 1877, 2204
Hannan PJ, 1239
Hansson GK, 1114, 2919
Haque NS, 786
Harats D, 1822
Hare J, 2222
Hare JM, 3053
Harpaz D, 2484
Harpel PC, 786
Harper MMG, 2347
Harrell LC, 2966
Harrington RA, 728, 1093, 1101, 2952
Harris J, 253
Hartikainen J, 2262
Hartley CJ, 438
Hasegawa A, 2528
Hasegawa T, 458
Haselgrove J, 218
Haïssaguerre M, 2463, 2565
Hatsukami TS, 959
Hattori R, III-269
Haubner R, 948
Haumer M, 290
Hausleiter J, 3117
Hausse AO, 813
Hautanen A, e183
Haverich A, III-50, III-233
Havlik R, 3137
Haw MP, 419
Hawkins CM, 1893
Hawkins JA, III-179
Hawkins RE, 231
Hawthorn L, 3046
Hayano J, 300
Hayase M, 523, III-62, III-275
Hayashi D, 1996
Hayashi K, 1983
Hayashi S-i, 1710
Hayden MR, 1629
Hayes MG, 2051
Haynes WG, 2607
He G-W, 755, III-296
He Z-X, 438, e189
Head BP, 2396
Heemskerk JWM, 677
Heemskerk VH, 1420
Heep M, 2758
Heerdt PM, 2713
Hegde S, 1990
Heidersbach RS, III-172
Heijstraten FMJ, 597
Heinle SK, 55
Heinz G, 290
Helft G, 506
Hellums JD, 2045
Helou S, e18
Henault LE, 11
Hendel RC, 1120
Hendrick JW, 1447
Hennekens CH, 307, 500
Hennen B, III-79
Henriques HF, 2973
Henry J-P, 351, 491
Henry TD, e108
Hense H-W, 405
Herd JA, 157, e48
Herderick EE, 374
Hermens WT, e63
Hernandez A, 2169
Hernández-Presa MA, 1020
HERS Investigators, 2228
Hetzer R, 890, 1724, III-183
Heublein B, III-233
Heung LJ, 1944
Heusch G, 579
Heusser K, 2611
Heymans HSA, 926
Heymes C, 771
Heyndrickx GR, 2371
Hibi K, 1657
Hickey A, 157
Higaki J, 246, 766, 1308
Higano ST, 517
Higashi Y, e119, e168, e179
Higashino H, e164
Hilfiker PR, 332
Hill JA, 932
Hill R, e100
Hillege HL, 203
Hillenbrand HB, 1678
Hilme E, 1264
Hiltunen MO, 2262
Himmel HM, 692
Hindricks G, 2082
Hingorani AD, 994
Hirano K, 1834
Hirata N, 766
Hiroi Y, 1996
Hirono S, 2829
Hirosawa S, 2867
Hirshfeld JW Jr, 1726, 2309
Hisamatsu Y, 2131
Hisaoka T, 2131
Hixson JE, 1877
Hlatky M, 1375
Ho CY, 1950
Ho H-KV, 1414
Ho KKL, 1369, e106
Ho SY, III-142
Hocher B, 1582
Hochman JS, 1093, 1193, 1761
Hocini M, 1517, 2463, 2565
Hodgson JM, 846, 2497
Hodis HN, 1600
Hoelscher T, e105
Hoercher K, e182
Hoercher KJ, III-101
Hoerstrup SP, III-22, III-44
Hofstra L, 1564
Hogelin G, 3137

Hoh C, e31
Hohnloser SH, 1252
Hojo Y, e110, e167
Holland AE, 597
Holmes AS, e87
Holmes DR, e29, 2945
Holmes DR Jr, 517
Holmes JW, 2713
Holmes MB, 2051
Holmvang G, 1053
Hölschermann H, 357
Holtz J, III-188
Holubarsch CJF, 3074
Holubkov R, 2945
Honda H, 3117
Honda K, 766
Honda T, III-243
Hong MK, 1120
Hoogwerf BJ, 157
Hooper J, 3060
Hoorntje TM, e122
Hori M, 452, 2269
Horibata Y, III-243
Horiuchi M, 1684
Horne BD, 1227, 1755, 1917
Horowitz JD, 611, e87, 2810
Horrocks J, 2503
Hortas C, 1470
Hoshida S, 452
Hoshino Y, 2528
Hotta K, 1296
Hou D, 1575
Houghtaling PL, 2952
Houng AK, 1151
Houyel L, III-166
Hovatta O, 2687
Howard B, 2284
Howard G, 42
Howarth DJ, 2816
Howell JF, 2599, e189
Hoyt EG, III-237
Hoyt G, III-228
Hoyt R, 1407
Hsia J, 2228
Hsia T-Y, III-148
Hsieh M-H, 67
Hu FB, 494
Hu J, 2739
Hu Q, 2541
Huang H-LA, 1569
Huang Q, III-79
Huang X, 793
Hubbard A, 218
Huber TS, 1697
Huddleston CB, III-70
Hufeisen SJ, 2836
Hughes S, III-15
Hügl B, 2082
Huijberts M, 2650
Humbert M, 2460
Humphries SE, 2058
Hunninghake D, 2228
Hunninghake DB, 157, 1503
Hunt D, 1014, III-352
Hunter W, 1575
Husain S, 35
Husøy JH, 1523
Hutchins S, 2222
Hwang W, 438
Hylek EM, 11

Iacuitti G, 636
Iatrou M, 1589
Ichiki T, 1834
Ichinose F, 1440
Ide T, e170
Ideker RE, 2659
Iellamo F, 2588
Igaki K, 399
Iino N, 1834
Ikai A, III-307
Ikeda H, III-370
Ikeda U, 2522, e110, e167
Ikezoe J, e164
Iliceto S, 3111
Imaizumi T, III-370
Imamura H, III-269
Imazio M, 2907
Ingels NB Jr, III-62
Ino H, 663
Introna M, 636
Inubushi M, 2019
Irvine S, 1854
ISAR-SMART Study Investigators, 2593
Ishaque N, 1589
Ishibashi-Ueda H, 2019
Ishida Y, 2019
Ishikura F, 2516
Isner JM, 965, 2255
Isobe M, 1710
Israeli Thrombolytic Survey Group, 2484
Issekutz AC, 2118
Itabe H, 2680
Ito H, 663, 766
Ito M, 2829
Ito T, 2522
Iung B, e18
IV GC, 1045
Ivan E, 2861
Ivanov J, e61, III-5
Iwai M, 1684
Iwakura A, III-307
Izzo R, 552

Jääskivi M, 1139
Jackman WM, 2774
Jacobs A, 2945
Jacobson A, 793
Jaffe AS, 1216
Jafri A, 2792
Jain AC, 2938
Jaïs P, 1517, e123
Jalali H, 1814
Jamali NZ, 344
James KB, III-200
Jamieson WRE, III-5
Jang JJ, 1414
Jani S, 2915
Jankowski J, 2548
Janowitz WR, e20
Jansen H, 1629
Janssen B, 1145
Janssen GMJ, 2892
Janssens S, 2880
Jaïs P, 2463, 2565
Jayakumar J, III-216, III-302, III-359
Jayaprakash S, 1807
Jayasundera T, 506
Jee SH, 852
Jeltsch M, 2262
Jenkins KJ, 2094
Jenkins PL, III-107
Jennings GL, e179
Jennings JR, 1394
Jeremias I, 915
Jespers L, 1766
Jessel A, 3032
Jia Z-Q, III-204
Jialal I, 191
Jiang C, 2255
Jien M-L, 75
Jin D, e32
Joglar JA, 1027
Johannsson G, 2076
Johansson L, 1039
Johengen MJ, III-172
Johnson C, 2861
Johnson W, e11
Johnstone MT, 123
Jokinen E, 1477
Jonas RA, 883
Jones HJ, 871
Jones JL, 2886
Jones R, 411
Jones RH, 1193
Jones TH, 1906
Jordan J, 2611
Jørgensen B, 987
Joseph DM, 728
Jougasaki M, 338
Jovanovic A, 338
Jovanovic S, 338
Joyner MJ, 1214, 1473
Juan Y, 572
Judd HL, e96
Judd RM, 1678
Jukema JW, 1629
Jumrussirikul P, 698
Juneja H, 1901

Kübler W, e169
Kachaner J, 813
Kachelrieß M, 2823
Kaesemeyer WH, e90
Kajiyama G, e119, e168, e179
Kakishita M, 865
Kalangos A, 2680
Kalender WA, 2823
Kallikazaros IE, III-263
Kalman J, e41
Kalman JM, 1807
Kalra D, 1302
Kaltsas P, 2011
Kamarck TW, 1394
Kamei S, 2867
Kamiyama R, 2867
Kampmann M, 211
Kanagaratnam L, 1879
Kanaide H, 1834
Kanda T, 2528
Kaneda Y, 806, 1308, 2005, III-289
Kangavari S, 602
Kangawa K, 865
Kapadia SR, 28
Kaplan GA, 1394
Kaplan NM, 1079
Kaplan S, 1542
Kaplinsky E, 2378
Karagueuzian HS, 1569
Karczewski P, 1814
Karim N, III-50
Karnani P, 1039
Karsch K, 1101
Karvouni E, 371
Kaski JC, e63
Kasprzak P, e105
Kass DA, 3053
Kass RS, 584, 921
Kastelein JJP, e92, 1629
Kastrati A, 197, 2593
Kastrup J, 319
Katagiri H, 2873
Kataoka C, 806
Kato K, 2829
Kato M, e91, 2607, 3068
Kato N, e169
Katoh A, III-370
Katoh M, 806
Katsuda S, 572
Katsuki T-a, e110
Katus H, 1216
Katus HA, 211, 2038
Katušić ZS, 2411
Katz AM, IV-69
Katz SD, e37
Katzmark S, III-332
Kaufmann PA, 1233
Kaul R, 2341
Kaul S, 531, 1611, 2745
Kaumann A, 1814
Kaushal S, III-44
Kałuża GL, 951
Kavanagh KM, 736
Kawaguchi H, III-269
Kawasaki M, 2063
Kawashima A, 399
Kawata H, III-370
Kay IP, 1434, 1484, e121, e175
Kaye D, 2842
Kaye DM, 2707
Kayes KM, e183
Keane JF, III-160
Keane MG, III-35
Kearney D, 840
Kearney DL, 876
Keating MT, 1178, 2849
Keech A, 1893
Keeton BR, 419
Kelder JC, 386
Kelleher A, III-154
Kelly KL, 649
Kelsey SF, 2945
Keltai M, 1014
Kem DC, 2535
Kemp M, 3060
Keng F, 2599
Kennedy G, 2443
Kennedy SP, 2185
Kent KM, 7
Keogh AM, 411
Kerber RE, 932
Kereiakes D, 1193
Kereiakes DJ, 728, e186
Kerem B, 921
Kern JH, e14
Kern M, 846, 2938
Kerner E, 238
Kerr CR, 736
Kerr JL, 1364
Kessels CGA, 2892
Kessler CM, e96
Khaghani A, 326
Khambadkone S, III-148
Khan M, III-302
Khan T, e37
Khandheria BK, 2087, 2516
Kharbanda RK, 994
Kido M, III-269
Kiechl S, 14, 833
Kihara S, 1296
Kikuchi A, 1308
Kim BS, III-22
Kim E-J, III-204

Kim MH, 2503
Kim P, e53
Kim RJ, 1678
Kim SG, 937
Kim WY, 2582
Kimura G, 300
King MK, 1447
King SB III, 2945, IV-81
Kingwell BA, e179
Kini A, 166
Kinman JL, 2842
Kinugawa S, e170
Kipfer B, 1068
Kirchengast M, 3111
Kirchhoff LV, 2978
Kirkeeide RL, 48
Kirlin PC, 1549
Kissinger KV, 2582
Kissling G, e29
Kitamoto S, 806, 2243
Kitamura S, III-30
Kitt MM, 1093, 1101
Kivelä A, 2262
Kleiman NS, 1093, 2952
Klein GJ, 2856
Klein HH, 1977
Klein JL, 846
Klein N, 2473
Klibanov AL, 2745
Klingelhöfer J, 1536
Klingenheben T, 1252
Kloet J, 511
Knaapen MWM, e99
Knapp FFR, 3117
Knatterud GL, 157
Knecht M, e37
Knight BP, 2503
Knight JD, 2923
Knoester H, 926
Knopf D, e66
Knowlton KU, 2276
Kobayashi J, III-30
Kobayashi S, 2131
Kobayashi Y, e25, 2765, 2915
Koch W, 197
Koch WJ, 2751
Kockx MM, e99
Kodama M, 2829
Koerfer R, III-188
Koh E, 572
Kohl T, 1602
Kohler B, 1490
Kohno M, 2131, 2131
Koide M, 1045
Koide S-i, 670
Kokado H, 663
Kokkonen JO, e32
Kolettis TM, 1937
Koller C, 313
Koller-Strametz J, 290
Komeda M, III-259, III-307
Komori H, 399
Komuro I, 1996, 2873
Kon A, III-172
Kondo H, 2269
Konishi F, 2765
Konstam MA, 1076
Koolen JJ, 2371
Koomans H, e92
Kooner JS, 2479
Kopecky SL, 1093
Kopelen HA, 1346
Kopolovic J, 1822
Korenberg JR, 432
Koreny M, 290
Kornowski R, 1120
Kortner A, 692
Korzeniowski OM, 2842
Kosar EM, 742
Koschinsky ML, e184, 786
Koschyk DH, 480
Kosinski AS, 392
Koskas F, 2569
Koßmehl P, 1582
Kossila M, 2262
Kostelka M, III-1
Koster A, III-183
Koster P, 1315
Köster R, 2024
Kosuga K, 399
Kotchen TA, 2284
Kottkamp H, 2082
Kottke-Marchant K, e186
Kovanen PT, e32
Kovesdi I, 565
Kowase K, 2528
Kown MH, III-228
Koyama T, 2867
Koyanagi M, 806, 2243
Kozuma K, 1434, 1484
Krabatsch T, 1724
Kraemer H-J, 2758
Krahn AD, 2856
Kramer P, 2322
Krams R, 511, e22
Kranz A, 185
Krause E-G, 1814
Krauss B, 2082
Krauss RM, 2284
Kremastinos DT, 1937
Kreutz R, 1582
Kris-Etherton P, 2284
Kronmal RA, 2335
Krüger M, III-1
Krukenkamp IB, III-312
Krumholz HM, e61, 1369
Kubes P, 2118
Kübler W, 1145, 1490, 2172
Kubo N, 1639
Kuch B, 405
Kuck K-H, 748
Kudej RK, e49
Kudoh S, 1996
Kuecherer HF, 1145
Kugiyama K, 670
Kühl U, e66
Kuhlisch E, 692
Kuipers JRG, 926
Kuisma M, 1780
Kukin ML, e41
Kukla C, 1536
Kukreja RC, 902
Kuller LH, 2335
Kuntz RA, 2915
Kuntz RE, 523, 1120, 1364, 1369
Kuo MD, 332
Kupari M, e183
Kupatt C, 915
Kupersmith J, 1193
Kuperstein R, 1802
Kuppe H, III-183
Kurabayashi M, 2528
Kurisu S, e119, e168, e179
Kuriyama H, 1296
Kuro T, 2765
Kurowski V, 211, 2038
Kus T, 736
Kusaka M, 2426
Kusumi Y, 1639
Kutschka I, III-233
Kuzuya T, 452, 2269
Kwan HH, 1414
Kwong C, 2396
Kyker K, 2535
Kyo E, 399
Kyotani S, 865, 2005, 2720
Kyriakides ZS, 1937

La Perna L, 2391
Labarrere CA, 1549
Labarthe DR, 2204
Labinaz M, 2952
Laborde F, e173
Labrador MJP, 2353
Labugger R, 1221
Lachat ML, 1086, 1871
Lacombe P, 736
Lacour-Gayet F, III-166
Lagrand WK, e63
Laham RJ, e73, 1120, 1605
Lahdenperä S, 716
Lahey SJ, 2973
Lai D, III-62
Lai NC, 2396
Lai WW, 1542
Laitinen M, 2262
Lakatta EG, 565, 3009
Lakka TA, 2677
Laks MM, 823
Lallemand F, 351
L'Allier PL, 28
Lamarche B, 179
Lambert LM, III-179
Lambert V, III-166
Lamberti F, e123
LaMonte MJ, 1623
Landray MJ, 871
Lang RM, 2441
Lange A, 655, 1276
Lange J, 185
Lange M, e105
Langebartels G, III-1
Langer A, 149
Langer F, III-79
Langleben D, 2011
Lankelma J, 2803
Lansky AJ, 7, 1364
Lansman SL, III-248
Lardo AC, 698
Laroche Y, 1766
Latif N, III-302
Latini R, 636
Lattuada A, 1290
Lau C-P, 755
Lauer MS, e182
Laufs U, 3104
Laukkanen J, 2262
Laule M, 1132
Laurini R, 1039
Lausberg H, III-79
Lavie C, 1591
Lazzara R, 2774
Le Bret E, e173
Le Charpentier Y, 2569
le Noble FAC, 2892
Leahy A, 840
Leavens JE, III-312
Leavitt BJ, 2973
LeBlanc BW, 3015
Lee DL, 2713
Lee I-M, 975, 981
Lee JWT, 755
Lee KL, 755
Lee M-E, 3015
Lee M-H, 1569
Lee RJ, 898
Lee RT, 1874, 2185
Lee TDG, III-75
Lee TH, 943, e106
Lefvert AK, 2576
Legare JF, III-75
Legault C, e96
Leger JP, 1703
Leggewie S, 1582
Legramante JM, 2588
Lehmann MH, 1178, 2849
Lehrke S, 2038
Leiby DA, 2978
Leier CV, 2222
LeJemtel TH, 2210, 2222
Lembo G, 552
Lemery R, 1407
Lemeshow S, III-84
Lemieux I, 179
Lenfant C, 368, 1212
Lennox AF, e124
Leon M, 48
Leon MB, 523, 1120, 1364, 2799, 2915
Leon MN, 2180
Leonetti G, 1139
Leor J, 2484, III-56
Lerebours G, 351
Lerman A, 2028, 2411
Lerman LO, 2028, 2411
Lerzo F, 432
Lesh M, 1879
Leskinen H, 338
Letsou G, e189
Letsou GV, 2599
Leunissen JDM, 2145
Levasseur JE, 902
Levendag PC, 1434, 1484, e121, e175
Lever HM, 1950
Levin TN, 1193
Levine RA, 1053
Levison ME, 2842
Levitsky S, 123, III-326
Levy D, 3092
Levy DK, e41
Levy T, 1382
Lewis DA, III-130
Lewis MJ, e92
Ley K, 531, 2745
Li A, 3117
Li D, 104, 1970, e100
Li H, 1454
Li J, 786
Li R-K, III-204
Li T, 2105
Li W, e73
Li X, 1315, 1690, III-281
Liang C-s, 96
Liang DH, III-62
Liao D, 1239
Liao JK, 2124, 3104
Liao R, 2249
Libby P, e99, 1874, 2185
Lichtenstein AH, 2284
Lichtenstein SV, III-339
Lie KI, 1629, 2553
Liebenthal C, 3060
Lièvre M, 426
Ligthart JMR, 1434, 1484, e121, e175
Li-Hawkins J, 332
Liistro F, 2371

Lilly CM, 2185
Lim D-S, 1346
Lim PO, e183
Lim Y-L, 951
Lima J, 698
Limacher MC, 1069, 1463, 1591
Lin F, 2228
Lin P-H, 852
Lin S-F, 1569
Lin W-S, 67
Lincoff AM, 28, 1093, 1101, 2923, e186
Lindert-Heimberg S, 1977
Lindner JR, 531, 2745
Lindstedt KA, e32
Linville L, 2792
Lip GYH, e108
Lipinska I, 1634
Lipshultz SE, 1542
Lisy O, 338
Lithell H, 2576
Littmann L, e187
Litvack F, 3117
Litwin SB, III-130
Liu G, 1629
Liu J-L, 1854
Liu JY, 2973
Liu PP, 61, 2983
Liu S, 500
Liu S-K, 1863
Liu Z-G, III-296
Liuba P, 1039
Lloyd CT, 1530
Lock J, IV-58
Lock JE, 2094
Loebe M, III-183
Logan AG, 61
Logan DR, e124
Loh E, 2222
London B, e122
Lopez-Sendon J, 149
Loree A, 1589
Lorell BH, 272, 470, 1726, 2309, IV-69
Lorenz DP, 591
Loricchio ML, e123
Loscalzo J, e51
Losordo DW, 965
Lotufo PA, 500
Louden CS, III-281
Lu B, e103
Lu W, 253
Lucas C, 313
Lucchinetti E, 344
Luccichenti G, e33
Luciani N, 1497
Ludlam PCA, e43
Ludwig J, III-253
Ludwig LE, e106
Luft FC, 2611
Luley C, 1964
Lundberg JM, 987
Lundergan CF, 1245
Luo J, 2548
Luo Y, 2255
Lüscher TF, 1086, 1233, 2434
Lusis AJ, 75
Lutton SR, III-200
Lux RL, 685
Lyons R, 2880
Lytle BW, e69, III-90

Münz J, e187
Ma XL, III-281, III-332
Mabuchi H, 663
Maca T, 2694
MacAllister RJ, 994
Macdonald PS, 411
MacGowan GA, e182
Machado FS, 3003
MacIntyre K, 1126
Mackall JA, 1283
Mackenzie B, 1375
MacLeod RS, 685
Madigan JD, 2713
Madjid M, 3039
Madsen TE, 1227, 1917
Maeda K, 1296
Maemura K, 3015
Mafi S, 3023
Maggioni AP, 636
Magid R, 2861
Magner M, 2255
Maharaj GS, III-123
Mahle WT, III-136
Mahmood H, e53
Mahoney E, 392
Mäkimattila S, 716
Makkar R, 3117
Malcom GT, 374
Malendowicz SL, 2210
Malik I, e110
Malik M, 1252
Malliani A, 1912
Malmberg K, 1014
Maloney C, 2973
Mammen P, 55
Manabe I, 2528
Mancini GBJ, 1503
Mandel J, 1447
Mandelzweig L, 2484
Mangione CM, e106
Mangrum JM, 1454
Mann DL, e65, 1302, 1690, e100
Mann KG, 2051
Mann NC, 173
Mannens MM, e122
Manninen V, e183
Manning BS, 2751
Manning WJ, 2582
Mannion J, 268
Mannting F, e11
Manson JAE, 494, 500
Mansukoski H, 2262
Mantovani A, 636
Mänttäri M, e183
Manuck SB, 1394
Mao L, 2751
Marbán E, 800
Marble SJ, e19
Marcantonio ER, e106
Marcassa C, 1795
March KL, 1575
Marcovina SM, e184
Marcus AJ, 1924
Marian AJ, 1346
Marijnissen JPA, 1484
Marincek B, 1871
Marincola FM, 2491
Marino B, 432
Marino G, 552
Marino K, 3015
Mark D, 1375
Mark DB, 2923
Marks AR, 2713
Markus H, 826
Markwirth T, III-79
Marler J, 3137
Marmur JD, 166
Maron BJ, 278, 858, 1863
Marra DE, 2124
Marria PB, 3015
Marrocco-Trischitta M, 565
Marso SP, 2952
Martens PR, 1780
Martin DP, III-22, III-44
Martin H, 2739
Martínez M, 1924
Martins GA, 3003
Martin-Villalba A, 915
Maseri A, 1114
Massaro JM, 1634
Massaro M, 2588
Massie BM, 611
Mast EG, 386
Mast F, 260
Masugata H, 1427
Masuyama T, 766, 2269
Mateo P, 1847
Matetzky S, 602, 1611
Matheney TH, 1634
Mathew L, e37
Mathew V, 517
Matsubara T, 2063
Matsui S, 399
Matsumoto K, 246
Matsumura Y, 2765
Matsunaga T, 3098
Matsuura H, e119, e168, e179
Matsuyama N, III-312
Matsuyama T, 663
Matsuzaki M, 2131
Matsuzawa Y, 1296
Mattsson-Hultén L, 2569
Maulik N, III-346
Maurer G, 290
May J, e124
May SJ, III-84
Mayer JE, 883, 2094, III-160
Mayer JE Jr, III-22, III-44
Mayer K, 2758
May-Newman K, 3111
Mayosi B, e100
Mayr M, 14, 833
Maysky M, 965
Mazel JA, e88
Mazouz B, 2484
Mazur W, 2671
Mazzone P, 2619
McAllister HA Jr, 2978
McBride A, 2836
McCabe CH, 149, e19, 2031
McCarthy PM, 3046, III-101, III-200
McCrindle BW, III-123
McCullough JN, III-248
McCullough PA, III-107
McCully JD, III-326
McDonald D, 1744
McDowell IFW, e92
McElmurray JH III, 1447
McGill HC, 374
McGlynn FJ, 871
McGovern P, 3137
McGowan FX Jr, III-365
McIntyre B, III-289
McKinnon D, III-312
McKirnan MD, 2396
McMahan CA, 374
McMullan DM, III-172
McMurray J, 1511
McMurray JJV, 1126
McNamara SG, e91
McNeill JG, 1617
McRury ID, 1454
McVeigh ER, 698
Meade TW, 2816
Medina A, 2849
Meerkin D, e121
Megson IL, e87
Mehilli J, 197, 2593
Mehran R, 1364, 2799
Mehta JL, 1970
Meier B, IV-81
Meinertz T, 480, 2024, 3032
Meischke H, 173
Meissner I, 2087
Melillo G, 225
Meliss RR, III-50
Mello A, 55
Menasché P, III-210
Mendeloff EN, III-70
Menozzi C, 294, 2509
Meredith IT, 2938
Mereles D, 1145
Merighi S, 285
Merletti PFG, e177
Meron G, e166
Meroni P, e88
Merschhoff G, 1602
Merten M, 1931, 2045
Mertsching H, III-50
Merz CNB, 2353
Messas E, III-210
Mestriner FLAC, 3003
Metra M, 546, 636
Metrix Investigators, 1407
Metz JA, 523
Metzner R, e93
Meyer D, 2460
Mezzetti A, 539
Michael LH, 438
Michaud GF, 2503
Michaud P, e18
Michel LA, e106
Michel P-L, e18
Michel-Behnke I, e178
Mickle DAG, III-204
Migliavacca F, III-148
Mikati I, e189
Miki T, 458
Milewicz DM, IV-103
Millán J, 1020
Miller DC, III-62
Miller ER III, 852
Miller FA, 1788
Miller GJ, 2058, 2816
Miller ME, 1503
Miller SJ, 1549
Milliken CE, 965
Milstien S, e92
Minar E, 2694, e175
Minatoguchi S, 2063
Minatoya K, III-30
Miniati DN, III-237
Minson CT, 1473
Mintz GS, 7, 2915, e111
Mishima T, 1990
Mitch WE, 2284
Mitchel Y, 846
Mitchell CA, 3046
Mitchell JP, 2816
Mitchell MA, 1454
Mittlböck M, 2694
Miura T, 458
Miwa T, 2269
Miyagawa M, e164
Miyamoto E, 2269
Miyao M, III-307

Miyatake K, 865, 2005
Miyazaki M, e32
Mizukami M, 1996
Mizushige K, 1427
Moccetti T, 636
Mochizuki T, e164
Modena MG, 546
Moehrlen U, 1086
Moeldrup U, e107
Mohiaddin RH, 3148
Möhlenkamp S, 2411
Mohler KM, e65
Mohr FW, III-1, III-95
Moldawer LL, 1697
Molenaar P, 1814
Molenschot MMC, 2145
Moliterno DJ, 28, e186
Monahan KD, 1270, 1351
Monge JC, 2983
Moniz M, 3098
Montague TJ, 1748
Monzen K, 1996
Moodie DS, e69, 1542
Moody JM Jr, e102
Moody MR, 1690
Moon MR, III-70
Moore PB, 1364
Mootha VK, e11
Morady F, 761, 2503
Moraes DL, 1718
Moran AM, III-22, III-44, III-160
Morand S, 426
Moravec CS, 3046
Morawietz H, III-188
Moreau H, 1766
Morel M-A, 2930
Moreno J, 3080
Moreno PR, 2180
Morgan JM, 419
Morgan JP, 2643
Mori TA, 1264
Moriguchi A, 246
Moriguchi K, 766
Morishita R, 246, 806, 1308, 1639, 2005
Morita N, 2063
Morosco G, 3137
Morrell NW, 3130
Morrissey JH, 2058, 2816
Morrow DA, 2031
Morton JR, 2973
Mosca L, 3137
Moscardó A, 1924
Moser DK, 2443
Moser M, 1490, e169
Moses J, 2915
Moses JW, 523, 1120, 2938
Moshage W, 2823
Mosqueda-Garcia R, 2898
Moss AJ, e46, 1178, 1258, 2849
Motohara S, 399
Mounsey JP, 2665
Moussa I, 2915, 2938
Moya A, 294
Moye LA, 1886
Mucci RA, 1053
Muelsch A, 2276
Muhlestein JB, 1227, 1755, 1917
Mukai S, 300
Mukherjee R, 1447
Mulder P, 351, 491
Mull S, 55
Mullen AJ, III-352
Mullen MJ, 994, 2473
Müller C, 2497
Muller JE, 1634
Müller-Bardorff M, 211, 2038
Mullis R, 2284
Munakata M, III-365
Murabito JM, 3092
Muraguchi M, 1296
Murali S, e182
Muramatsu T, 2930, 2938
Murcia AM, 2180
Murohara T, III-370
Murphey LJ, 829, 2190
Murphy SA, 2031, 2329
Murphy SM, e19
Murray JP, 793
Murray KM, e65
Murray L, 2210
Murtuza B, III-216, III-302, III-359
Muscelli E, 2233
Muscholl M, 405
Mussatto KA, III-130
Mustafa A, 2576
Mykkänen L, 42
Myler R, 2945

Nadeau A, 179
Nadeau MR, 852
Nademanee K, 742
Nagai R, 1996, 2528, 2873
Nagano T, 2063
Nagaya N, 865, 2005, 2019, 2720
Naghavi M, 3039
Nagueh SF, 1346, 2599, e189
Naguib S, 3039
Nahmias C, 2070
Nakagami H, 246, 1308
Nakajima H, 1440
Nakamura M, III-332
Nakamura S, 1639
Nakamura S-i, 670
Nakamura T, 246, 572, 1296, III-259, III-307
Nakamura Y, e25
Nakanishi N, 865, 2005, 2720
Nakano A, 458, 2528
Nakao Y, III-269
Nakatani S, 2019
Nakazawa K, 1710
Napoli C, 2111
Napolitano C, 945, 2509, 2849
Naraghi R, 2611
Narahara KA, e20
Narang I, III-154
Narayanan PK, III-281
Narayanan S, 35
Narishige T, 1045
Narkiewicz K, e91, 3068
Naslund U, 1216
Nasseri BA, III-183
Natale A, 1879
Natali A, 2233
Nattel S, 104, 1165
Nawano M, 2873
Naylor CD, e61
Nebendahl K, 1977
Nehra A, 2516
Nelson DR, 1549
Nelson GS, 3053
Nelson KE, 2978
Nemoto S, 1045
Ness PM, 2978
Neubauer S, 2643
Neumann F-J, 2593
Neumann KH, 1964
Neumann T, 579
Neumayr G, e16
New RB, 1447
Newburger JW, 883
Newby DDE, e43
Newman D, 736
Nègre-Aminou P, 2803
Nguyen N, 948
Ni W, 2243
Nichaman MZ, 2204
Nickenig G, 1828, 3104
Nicklas J, 2222
Nicklin SA, 231
Nicolaides AN, e126
Nicoletti A, 1114, 2919
Niebauer J, 3060
Niebuur R, 1556
Nielson C, 1755
Niemi M, 2262
Nienaber CA, 480
Niessen HWM, e63
Nieto JM, 1549
Nihoyannopoulos P, 655, 1276
Niinikoski H, 1477
Ning X-H, 1323
Ninio E, 2569
Ninomiya H, III-269
Nishida M, 1296
Nishida T, 3028
Nishigaki K, 2063
Nishigami K, III-243
Nishikawa N, 2269
Nishikimi T, 865, 2005
Nishikubo T, 2460
Nishimura K, III-259, III-307
Nishimura RA, 1788
Nishio I, 2063
Nityanand S, 2576
Niwaya K, III-30
Noble MIM, 605
Noblin J, 55
Noc M, 1611
Noda T, 2063
Nodari S, 546
Noguchi N, 2131
Noiseux N, 1330
Noll G, 1086
Nong Z, 2880
Noon G, e189
Noon GP, III-183
Nordestgaard BG, 2197
Nordt T, 1490, e169
Nørgaard T, 319
Norman JE, 2491
Norman M, 2739
Northern New England Cardiovascular Disease Study Group, 2973
Nose T, e169
Notarianni M, 123
Nunez DJR, 1276
Nyyssönen K, 2677

Oakley G, 2473
OASIS Registry Investigators, 1014
Obeid OA, 2479
Oberhollenzer F, 14
O'Blenes SB, III-289
O'Brien E, 1139
Ocampo ON, e41
O'Connor E, 2118
O'Connor G, 2473
O'Connor GT, 2973
Octave M, 1382
Oelkers W, 2611
Oesterle SN, 523, 951
Oetgen WJ, 642, 1651
O'Fallon WM, 2087
Ogata N, 670
Ogihara T, 246, 766, 1308, 1639, 2005
Ogilby D, 2222
Oh JK, 1788
O'Halloran A, III-15
O'Hara GE, 275
Ohara T, 1569
Ohkuma S, III-269
Ohkusa T, 2131
Ohlstein EH, 1315, III-281
Ohman EM, 1093, 1101, 1761
Ohman ME, 1490
Ohmori K, 1427
Ohmoto K, e164
Ohmoto Y, 1296
Ohsawa M, 2867
Ohta T, III-269
Ohtani T, e164
Ohte N, 300
Ohuchi H, 2732
Ojio S, 2063
Oka H, 670
Okada A, 300
Okamoto E-i, 2528
Okamoto H, 2131
Okamoto Y, 1296
Okamura A, 766
Okano Y, 865
Okeie K, 663
Okura Y, 2680, 2829
Oldershaw P, e107
Olin JW, 2391
Olivetti G, 636
Olivotto I, 858
Olschewski H, 1145
Olschewski M, 1490
Ommen SR, 1788
Ongini E, 285
Ono K, 2131, 2269
Ono Y, 2732
Oomen JAF, 511
Opgenorth T, 491
Opgenorth TJ, 2765
Oppermann M, 793
Optimized Response to Cardiac Arrest (ORCA) Investigators, 1780
OPUS-TIMI 16 Investigators, 149
Oral H, 2503
Orav EJ, 1542
Oreto G, 2619, e123
Orfanos SE, 2011
Organ L, 1221
Ornatsky O, 2983
O'Rourke B, 800
O'Rourke RA, 126
Ortego M, 1020
Ortiz M, 3080
Orzechowski H-D, 1582
Osako M, III-269
Osganian S, 173
O'Shaughnessy CD, 1364
Oshima A, 523
Oshima T, e119, e179
Otani H, III-269, III-346
Otsu K, 452, 2269
Ou R, III-319

Ouchi N, 1296
Ouchi Y, 1684
Oudkerk M, e6, e71
Ouriel K, 2391
Ovaert C, III-116
Overlie PA, 523
Owen V, III-352
Owen VJ, 326
Oya H, 2720
Oz MC, 2713, III-194
Ozaki CK, 1697
Ozeki M, III-307

Paakkari I, 1039
Pacchiana CM, 1093
Packard C, 1893
Packer DL, 2309
Packer M, 611
Padder F, 35
Paffenbarger RS Jr, 975, 981
Pagano D, e189
Page RL, 1027
Pagliara V, 771
Palacios IF, 2180, 2966
Palacios M, 994
Palatini P, 1139
Palinski W, 2111
Palka P, 655, 1276
Palma EC, 937
Palumbo R, 225, 565
Pan TS, 1589
Panara MR, 539
Paniagua D, e171
Pappas C, 2915, e111
Pappone C, 2509, 2619, e123
Parati G, 1139
Pareti FI, 1290
Parhami F, 2636
Paridon S, 1726
Parish SM, 1323
Parker MA, 1678
Parker RA, III-326
Parnis C, 2978
Parry AJ, III-172
Parsonnet V, 1192
Pasceri V, 2165
Paschen H, 1780
Pascot A, 179
Pashkow F, e182
Pasquale M, 1007
Pasque MK, III-70
Pasterkamp G, 617, 1186
Pastore L, 3023
Patel AP, 3015
Patel J, 2636
Patel KP, 1854
Pathobiological Determinants of Atherosclerosis in Youth (PDAY) Research Group, 374
Patrignani P, 539, 1007
Patrono C, 539, 1007
Patterson C, 940
Patterson E, 2535
Paul M, 1582
Paul V, 1382
Pauletto P, 771
Paulsson G, 1114
Pauschinger M, e66
Pavone P, e33
Pearce GL, III-90
Pearson RR, 1227, 1755, 1917
Pearson T, 3137
Pedan A, e106
Pediatric Pulmonary Cardiac Complications of Vertically Transmitted HIV Infection (P^2C^2 HIV) Study Group, 1542
Pelech AN, III-130
Pell JP, 1126
Pellacani A, 3015
Pelliccia A, 278
Pelosi F, 2503
Peng JT, 2565
Pennell DJ, 3148
Penninga L, 926
Penny DJ, III-142, III-154
Penny R, 411
Pepe S, III-319
Pepine CJ, 523, 1093, 1193
Peppel K, 793
Perez A, 2700
Peri G, 636
Pernow J, 987
Perrella MA, 3015
Perschinka H, 14
Persson K, 1039
Pérusse L, 1956
Pesek CA, e91, 3068
Pesenco A, III-222
Pesonen E, 1039
Pessina AC, 771
Peter K, 1490, e169
Peters B, 1427
Peters RJG, 1629
Pethig H, e187
Pethig K, III-50, III-233
Peto R, 1082
Petr P, e187
Petschauer S, e66
Petterson TM, 2087
Peyser PA, 380
Pfeffer MA, 1886
Pfister AJ, 2799
Pharand C, 2466
Phelps ME, e31
Philbin EF, III-107
Philippon F, 736
Phillipov G, 2810
Phillips BG, 2607, 3068
Phillips KA, 11
Piano M, 2443
Piaserico S, III-222
Piazza S, 1912
Pibarot P, III-10
Picard MH, 1440
Picard P, 2983
Pich S, 1977
Pichard AD, 7
Piegas L, 1014
Piek J, 2930
Piemonte TC, 1671
Pieper KS, 1101
Piepgras D, 2300
Piepoli M, 2214
Pijls N, 2930
Pijls NHJ, 2371
Pike M, e73, 1605
Pilato G, 552
Pillai R, 1744
Pina IL, 1069, 1463, 1591
Pineau E, e173
Pinkas G, 445
Piñón M, 1924
Pinto LA, 2491
Pinto YM, 1582
Piot D, III-166
Piovano P, 278
Piqueras L, 2118
Piro O, 113
Pirola B, 432
Pisano E, 1879
Pitha J, 2774
Pitsavos CE, III-263
Pitt B, 1503, 2700
Pitts DE, 1549
Pizarro R, e177
Pizzetti F, 636
Planché C, III-166
Planning Committee for the National Conference on Cardiovascular Disease Prevention TT, 3137
Plante S, 1748
Plappert T, III-35
Plasmati E, 2169
Platelet Glycoprotein IIb/IIIa in Unstable Angina: Receptor Suppression Using Integrilin Therapy (PURSUIT) Trial Investigators, 1101
Plebani M, 771
Plokker HWT, 386
Plotkin D, 846
Pochettino A, III-35
Pogátsa-Murray G, 890
Pohl U, 2402
Pohlner P, 1814
Pohost GM, 126
Poindexter BJ, 2599
Pokrajac B, 2694, e175
Pokreisz P, 2880
Polak JM, 326, 3130
Polanczyk CA, e106
Poliakova L, 565
Polissar NL, 959
Poller W, e66
Pomari F, 2907
Pompei E, III-222
Ponticelli P, 113
Poole-Wilson PA, 611
Poon M, 786
Popma JJ, 1364
Portales JF, 3080
Portaluppi F, 285
Portman MA, 1323
Poss R, e106
Possati G, 1497
Post CABG Investigators, 157
Poston RS, III-237
Potapov EV, III-183
Potenza D, 1879
Potharlanka P, e37
Poullis M, e110
Pourrier M, 1165
Poutias DN, III-365
Pouzet B, III-210
Powell KL, 779
Pragliola C, 1497
Prahash AJC, 1840
Prasad A, 35, 2491
Pratschke J, 2426
PREVENT Investigators, 1503
Prior D, III-200
Priori S, 1178
Priori SG, 945, 2509, 2849
PRISM-PLUS Investigators, 2466
Probst P, 2930
Profaizer T, III-179
Prospective Pravastatin Pooling Project Investigators Group, 1893
Prosper DM, 1101
Province MA, 1956
Prud'homme D, 179
Pruszczynski MS, 597
Przyklenk K, 88
Psaty BM, 2335
Psevdi E, 2011
Pötter R, 2694
Puato M, 771
Puddey IB, 1264
Punske B, 685
PURSUIT Trial Investigators, 1093, 2952

Qian K, 1323
Qin JSF, 96
Qin JX, III-101
Qu Z, 1569, 1664
Quaschning T, 1086
Quezado ZMN, 1440
Quinones M, 1726
Quiñones MA, 1346, e100
Quist W, 123
Quyyumi AA, 35, 2491

Rabbani LRE, 2100
Rabelink TJ, e92, 1629
Rabinovitch M, III-289
Rabinowitz B, 2378
Rabkin E, e99
Radicke D, 3074
Ragni M, 113
Rahimtoola SH, IV-24
Raible J, e112
Rail J, 275
Raimondi G, 2588
Raisky O, III-302
Raizner AE, 951, 1364
Rakugi H, 766
RALES Investigators, 2700
Ramaswamy K, 1027
Ramsey DJ, 2204
Ramunno L, 113
Rankinen T, 1956
Rao DC, 1956
Rao V, III-5, III-40
Rao VK, III-123
Rapid Early Action for Coronary Treatment (REACT) Study, 173
Rask-Nissilä L, 1477
Rasmussen C, 123
Rathore SS, 642, 1651
Ratnatunga C, 1744
Rau M, 2024
Rauch T, III-95
Rauchhaus M, 3060
Rauser L, 2836
Ravad G, 55
Ravens U, 692
Raviele A, 294
Ravkilde J, 1216
Ravn H, e107
Raza K, 1470
Razavi M, 2322
Re G, 636
Reardon MJ, 2599, e189
Reckers J, 1602
Rectenwald JE, 1697
Redfield MM, 338, 1788
Redick JA, 1454
Redington A, e107
Redington AN, III-142, III-148, III-154
Redpath A, 1126

Reed GL, 1151
Reeder GS, e52, 1337
Refsum H, 2479
Regan TJ, 487
Regar E, e95
Regitz-Zagrosek V, e112
REGRESS Study Group, 1629
Reid IA, 1854
Reid MB, 1690
Reiken S, 2713
Reis SE, 272
Rembrandt Investigators, 2726
Remuzzi A, 225
Reneman RS, 677
Renet S, 491
Renschler MF, 2322
Rensing BJ, e6
Rentas FJ, 2978
Reutelingsperger CPM, 1564
Rex S, 1382
Reynolds D, 2774
Rhoads RE, 2276
Ricciarelli R, 82
Rice T, 1956
Rich S, 2781
Richard V, 351, 491
Richardt G, 2038
Richartz BM, 2959
Richter C, 1132
Rieders DE, 742
Riegger GAJ, e187
Rihal CS, 517
Riley W, 1503
Rillo M, e123
Rimm EB, 494
Rissanen T, 2677
Rissanen TT, 2262
Ritman EL, 2028, 2411
Rivenes SM, 876
Rizzo MJ, e19
Robbins M, e182
Robbins RC, III-228, III-237, III-275
Robert A, III-116
Roberts PR, 419
Roberts R, 600, 1216, 1346, e100, IV-34
Roberts-Thomson P, 2607
Robinson BR, 1151
Robinson J, III-332
Robinson JL, 1178, 2849
Robinson K, 2284
Rockman HA, 2751
Rockson SG, 591, 2322
Roden DM, 2796
Rodgers GP, 1726, 2309
Rodicio JL, 1139
Rodriguez-Porcel M, 2028
Roe MT, 1101, 2952
Roest M, 1645
Rogers PI, 1575
Rola-Pleszczynski M, 2569
Rollins DL, 2659
Romeo F, 1970
Ronchetti E, 945
Rönnemaa T, 1477
Ronson RS, III-332
Ropers D, 2823
Rosanio S, 2619
Rose MS, 736
Rosenberg RD, 2816
Rosenberg Y, 157
Rosenberger G, 1000
Rosenfeld S, e183
Rosenfeldt F, III-319
Rosengart TK, e73
Rosenschein U, 238
Rosenthal M, e186, III-142
Rosenwasser R, 2300
Rosiere A, e106
Roskamm H, 2497
Rösler A, III-1
Rosner B, 307
Ross AM, 1245
Ross DB, III-75
Ross R, 959
Rossi E, 432
Roth BL, 2836
Roth DA, 2396
Roth DM, 2396
Rothbard JB, 2629
Rothermund L, 1582
Rothman RB, 2836
Roubin GS, 1364
Rounds NK, 96
Rousou JA, III-84, III-346
Rousseau G, 275, 1883
Roussos C, 2011
Roy D, 2856
Rubay J, III-116
Rubenstein MH, 2966
Rubin GD, e36, 1589
Rudy Y, 2152
Ruef J, 1490
Ruf A, 890
Ruggeri ZM, 1290
Ruijtenbeek K, 2892
Rumberger JA, 380
Rundqvist B, 2076
Runge MS, 940
Rupin A, 1033
Rupp H, 1388
Rüppel R, 748
Rupprecht H-J, 624
Ruschitzka F, 1086
Russell JK, 1780
Russell RO, 1193
Russo RJ, 2915
Rutledge JC, 1773
Ruzyllo W, 1101
Ryan EW, 364
Ryan KA, e19
Ryden L, 611

Sabaté M, 1434, 1484, e121, e175
Sabbah HN, 1990
Sachdeva R, III-130
Sacks FM, 1886, 1893
Safian RD, 523, 1364
Sage PR, 2810
Said S, 253
Sakaguchi M, e32
Sakai K, 2063
Sakamaki F, 865, 2720
Sakamoto H, 2528
Sakamoto S, 1710
Sakata S, 300
Sakata Y, 2269
Sakkinen PA, e96
Sako EY, e102
Sakonjo H, 246
Sakurabayashi I, 1639
Sakurai I, 1639
Sala A, 1290, 2169
Saldeen T, 1970
Saliba W, 1879
Saliba Z, 813
Salmon AP, 419
Salonen JT, 1394, 2677
Salunkhe K, 1755
Salvati A, 2619
Sammut IA, III-302
Sampson AC, 1447
Samuel J-L, 771
Samuels R, 728
Sander D, 1536
Sanders JH, 2973
Sanderson JE, e66
Sándor G, 685
Santarelli P, 1879
Santinelli V, 2619
Santini G, 539
Santipolo N, 771
Santos MT, 1924
Santucci A, 2359
Sanz I, 1258
Sanz M-J, 2118
Sapp S, 1761
Sarafidou P, 2011
Sartore S, 771
Sasaki AYN, e168
Sasaki K-i, III-370
Sasaki N, 800, e119, e179
Sasaki S, e119, e168, e179
Sasako Y, III-30
Sasseen BM, 1107
Sasson Z, 1802
Satler LF, 7
Sato H, 1045
Sato M, III-346
Sato N, 2720
Sato T, 800, 1983
Satoh N, 2249
Satoh T, 865, 2720
Sattar N, e96
Sauer H, 1828
Saumet J-L, e168
Savage JE, 2836
Sax FL, 2466
Sayre JW, e31
SCAT Investigators, 1748
Schaeffer JW, 1193
Schäfers H-J, III-79
Schäfers KP, 1233
Schalekamp MADH, 1556
Schalij MJ, 2650
Scharf C, 713
Schartl M, 890
Schauerte P, 2774
Scheidegger KJ, 2680
Scheinert D, III-253
Schelbert HR, e31
Scheld HH, 1602
Schenkel J, 915
Scherlag BJ, 2774
Scherlag MA, 2774
Scherrer-Crosbie M, 1440
Schett G, 14
Schömig A, 2593
Schlachetzki F, e105
Schlant RC, 1726
Schlüter H, 2548
Schmarkey LS, III-332
Schmidt H, 357
Schmidt-Schweda S, 3074
Schmitt H, 2417
Schneider, 3026
Schneider DJ, 2051
Schneider T, 1780
Schnohr P, 2197
Schobel HP, 2611
Schöder H, e31
Schoen FJ, III-22, III-44
Schoenmakers M, 2145
Schömig A, 197
Schouten EG, 1239
Schranz D, e178
Schröder M, III-253
Schroeder JS, 3032
Schröter A, 2548
Schuijt MP, 1556
Schuler G, 2082
Schüler S, 692
Schulman KA, 642, 1651
Schultheis H-P, e66
Schulze-Neick I, III-142
Schunkert H, 405, 2966
Schuster H, 2611
Schuurbiers JCH, 511
Schwaiger M, 948
Schwammenthal E, 2378
Schwartz A, 2100
Schwartz GL, 2087
Schwartz K, III-210, IV-34
Schwartz PJ, 945, 1178, 2509, 2849
Schwartz RJ, 3026
Schwartz RS, 380
Schwartz SM, 2335
Schwarz M, e169
Schweikert R, 1879
Schwimmbeck PL, e66
Sciacca RR, 2100
Sciulli MG, 539
Scognamiglio A, 113
Scorsin M, III-210
Scroope F, 411
Scully BE, III-194
Sdringola S, e118
Seabra-Gomes R, 2930
Seals DR, 1270, 1351
Seddon M, 1511
Seeger JM, 1697
Seeger W, 2758
Seghizzi P, 1912
Seidman CE, 1950, 2347, IV-103
Seidman JG, 1950
Seitz W, 2694
Sekiya M, e164
Selby JV, 11
Selhub J, 852
Sellke FW, e73
Senzig R, 1589
Seppälä-Lindroos A, 716
Seppänen R, 1477
Serena J, e27
Serkiz B, 1033
Serraf A, III-166
Serrano P, 1484, e175
Serruys PW, 511, 951, e22, e44, e95, 1434, 1484, 2930, e121, e175
Sesso HD, 307, 975, 981
Seta F, 539
Seta Y, 1302
Seto TB, 1369
Sever JY, III-339
Seward JB, 558, 1400, 2087, 2516
Seye C, e99
Shaddy RE, III-179
Shafiq SA, 344
Shah D, 1517
Shah DC, 2463, 2565, e123
Shah PK, 602, 1611
Shaish A, 1822
Shan K, 2599
Shango-Lody P, III-116

Shani J, 523
Shannon JR, 2611
Shaper AG, 1358
Shapiro L, III-56
Shapiro LF, 1351
Sharir M, 2353
Sharir T, 1611
Sharma SK, 166, 506
Sharov VG, 1990
Shavelle RM, e20
Shaw LJ, 126
Shaw R, 898
Shaw S, 1086, III-188
Shearer GM, 2491
Shechter M, 2353
Sheedy PF II, 380, 2411
Sheehan CJ, 1027
Sheifer SE, 1651
Shen J, 1178, 2849
Shen Y, 1589
Shenaq SM, 332
Shepherd J, 1893
Shewchik J, 1879
Sheynberg BV, 2966
Shi H, 1165
Shi W, 75
Shigemasa T, 602
Shigemi K, 1983
Shih DM, 75
Shih WJ, 846
Shimada K, e25, 2522, e110, e167
Shimamoto K, 458
Shimizu M, 663
Shimizu W, 706
Shimizu Y, III-259, III-307
Shimokawa H, 806, 2243
Shimoni S, 2599
Shimonishi M, 2005
Shimoyama M, 1996
Shimozato T, 1308
Shimpo M, 2522
Shintani S, III-370
Shiota N, e32
Shiota T, III-101
Shirali GS, 2282
Shishido T, 1983
Shivkumar K, 817
Shoenfeld Y, 1822
Shokei-Kim, 246
Shono H, III-243
Shorofsky SR, 2239
Shotan A, 2484
Shotwell K, 2751
Shpun S, e123
Shuler CO, 2282
Shultz BB, 1623
Shyu K-G, 2255
Siadaty S, 3039
Sibelius U, 2758
Siddiqui Q, 344
Sidi D, 813
Siebels J, 748
Siegel AJ, e17
Siffert W, 692
Sigmon KN, 728
Signorini S, 636
Silbershatz H, 1634
Silva JS, 3003
Silver B, 2353
Silverman D, e31
Sim CU, 3015
Simell O, 1477
Simes J, 1761, 1893
Simmoons ML, 2952
Simon JA, 2228
Simoncini T, 2124
Simonet S, 1033
Simonneau G, 2460
Simons M, e73, 1605
Simonsen S, 987
Simonton CA, 523
Simoons ML, 1093, 1101
Simpson I, 2930
Sin DD, 61
Sinawski H, III-183
Singal PK, 2105
Singbartl K, 2745
Singer DE, 11
Singh BN, 2222
Singh S, 2385
Sinha P, III-194
Sinnaeve P, 1766
Siostrzonek P, 290
Sipe JD, 636
Sipido KR, 2137
Sirois MG, 1330
Sironi AM, 2233
Siscovick DS, 2335
Sitbon O, 2460
Sivasubramanian N, 1302, 1690
Sixma JJ, 1645
Skanes AC, 2856
Skene A, 149
Skene AM, 1761
Skotnicki S, 597
Slager CJ, 511, e22
Slater J, 2945
Slawsky MT, 2222
Sluysmans T, III-116
Smaha L, e67
Smalling R, e118
Smalling RW, 523
Smart SC, 1172
Smedira NG, III-101
Smid GB, 926
Smiseth OA, 1158
Smith EE, 1193
Smith EOB, 876
Smith FM, 1703
Smith JD, 2347
Smith K, 173
Smith ML, 1027
Smith PJW, 2983
Smith SC Jr, 1193
Smith W, 2222
Smith WM, 2659
Smits JFM, 1564
Smits PC, e44
Smolenski RT, III-216, III-302, III-359
Snader CE, e182
Snapinn S, 2466
Sobel BE, 2051
Sodian R, III-22, III-44
Solomon CG, 494
Somers VK, e91, 2607, 3068
Sonel A, 1107
Song J, 531, 2745
Sonnenblick EH, 2210
Sopko G, 1542
Sørensen VB, 319
Sousa JE, 2930
Southard D, 1069
Spacek R, e187
Sparks PB, 1807
Spataro A, 278
Speir E, 2990
Speizer FE, 494
Spencer KT, 2441
Spencer RGS, 565
Spencer WH III, 600
Sperling D, 268
Sperling JS, III-22, III-44
Spinale FG, 1447, 1944
Spinelli JC, 3053
Spirito P, 858
Spitaels SE, e71
Splawski I, 1178, 2849
Spray TL, III-136
Sprecher DL, III-90
Springer ML, 898
Spuentrup E, 2582
Sreeram N, e122
Srikureja W, 1337
St Jeor S, 2284
St John Sutton MG, III-35
Stabroth C, 2611
Staessen JA, 1139
Stafford I, 2810
Stahl U, 357
Stambolis VA, 2978
Stamler J, 3137
Stamou SC, 2799
Stampfer MJ, 307, 494, 1886
Stanek V, 2945
Stangl K, 1132
Stangl V, 1132
Stankova J, 2569
Stanley WC, 1990
Starc TJ, 1542
Stebbins A, 1761
Stec JJ, 1634
Steeds RP, 1906
Steen PA, 1523
Stefanadis CI, III-263
Stefanick ML, e96
Steffan A, 1290
Steffen-Batey L, 2204
Steffensen R, 2197
Stegmann TJ, e73
Stein RA, 1463, 1591
Steinhoff G, III-50
Steinhubl SR, e50, e186
Steinkamp H, III-253
Stell LK, e187
Stengel D, 2569
Stephan N, 2548
Steptoe A, 2473
Stern S, 2484
Sterz F, e166
Stevens SY, 96
Stevenson LW, 2443
Steward DE, 1193
Stewart DJ, 2983
Stewart S, 1126
Steyerberg EW, e61
Sticherling C, 2503
Stiles KM, 883
Stock U, III-50
Stoffels M, 2611
Stokes MJ, 48
Stolley PD, 2842
Stolzenberg-Solomon R, 852
Storer B, III-281
Stowe DF, 1172
Straino S, 565
Strandness DE, IV-46
Straub A, 1490
Strauss HW, III-228
Strehlow K, 1828
Strickberger SA, 761, 2503
Strom BL, 2842
Strömer H, 2643
Strong JP, 374
Strümper D, 1602
Stryer D, 3137
Stuart Y, 48
Stubberfield J, 2810
Stubbs PJ, 605
Stubenitsky R, 1556
Stuber M, 2582
Stumpf RJ, 2978
Sturm W, e16
Subkowski T, 1086
Sueishi K, 806
Suetsugu M, 2131
Sugarbaker DJ, e106
Sugawara Y, e164
Sugimachi M, 1983
Sugimoto K, 766
Sugiyama S, 670, e99
Sujansky E, 432
Sukhova GH, 2185
Sun MP, 755
Sunagawa K, 1983
Sunde K, 1523
Sundt TM, III-70
Sussex B, 1886
Sussman MA, 3046
Suter TM, 2249
Sutherland P, 1634
Suttie J, 2284
Sutton R, 294
Suttorp MJ, 386
Suzuki H, 2732
Suzuki J, 1710
Suzuki K, III-216, III-302, III-359
Suzuki T, 2063, 2528
Sverrisdóttir YB, 2076
Swafford J, 2671
Swenne CA, 1239
Swerdlow CD, 1569
Sykora K, III-339
Symes JF, 965
Systolic Hypertension in Europe (Syst-Eur) Trial Investigators, 1139
Szibor M, III-188
Szuba A, 2322

Taal M, 2426
Tabata Y, III-307
Taccardi B, 685, 2152
Tacconelli S, 539
Tai C-T, 67
Taira DA, 1369
Tait JF, III-228
Tajik AJ, 558, 1400, 1788
Takagi A, 1657
Takahashi A, 1517
Takahashi H, 572
Takahashi M, 1296
Takai S, e32
Takaoka M, 2765
Takasawa S, 2131
Takase S-i, 2528
Takatsu H 2063
Takeda H, 2269
Takeda K, 1834, 2990
Takemura G, 2063
Takens J, 926
Takeshita A, 806, 1834, 2243, e170
Takeuchi K, e25, III-365
Takeya M, 2243
Takimoto E, 1996
Takiuchi S, 766

Talajic M, 2856
Talan M, 565
Talbot M, 3053
Tamai H, 399
Tamariz MG, III-339
Tamatani T, 1710
Tamion F, 351
Tammi A, 1477
Tamura N, III-259, III-307
Tamura T, 253
Tanabe T, 2005
Tanaka H, 1270, 1351
Tanaka T, 2063
Tang W, e20
Tangen CM, 1773
Taniguchi N, 452
Tanimura M, 1990
Tanis E, 1132
Taniyama Y, 246
Tank J, 2611, 2898
Tapscott T, e100
Taskinen M-R, 716, 2687
Tasouli A, 1937
Tatsumi K, 2732
Taubman MB, 786, e99
Taylor D, 1748
Taylor J, 173
Taylor JA, 3086
Taylor M, 994, 2473
Taylor R, 742
Tcheng JE, 2923
Tchernof A, 179
Tchou P, 1879
Teirstein PS, 523, 2674, 2915
Tempelman MJ, 1645
ten Berg JM, 386
Tenkanen L, e183
Teo KK, 1748
Teo T-J, 1657
Tepel M, 2548
Terai H, III-259
Terreni L, 2509
Terrin ML, 157
Terzic A, 338
Tessmer J, 3098
Testa M, 2210
Testolin L, III-222
Teupser D, 1086
Thambyrajah J, 871, 1470
Theroux P, 1193, 2466
Thiagarajan P, 1931, 2045
Thibault B, 2856
Thiene G, 1863, III-222
Thijs L, 1139
Thomas EJ, e106
Thomas J, 332
Thomas JD, III-101
Thomas JP Jr, III-130
Thompson JF, 2185
Thompson LP, 445
Thompson TD, 392
Thourani VH, III-332
Thrombogenic Factors Recurrent Coronary Events Investigators, 1258
Théroux P, 3032, IV-2
Thuillez C, 351, 491
Thygesen K, 611
Tiefenbacher CP, 2172
Tillmanns H, 357
Tilney NL, 2426
Timek TA, III-62
Timke A, III-50
Timmermans C, 1407
Timothy KW, 1178, 2849
Tinelli M, 1912
Tintut Y, 2636
Tio RA, 2255
Titus JL, 649
Tocchi M, 2619
Tofler GH, 1634
Tognoni G, 3032
Toivanen P, e183
Toka HR, 2611
Toka O, 2611
Tokunou T, 1834
Toleikis PM, 1575
Tom J, III-123
Toman J, 149
Tomita N, 1308
Tomita S, III-204
Tomiyama H, 2365
Tona F, III-222
Tonkin AM, 1893
Topol EJ, 28, 728, e29, 1093, 1101, 1375, 1761, 2923, 2952, e186
Torp H, 1158
Torrecilla EG, 3080
Toschi E, 225
Touboul P-J, 313
Toutouzas PK, III-263
Tovar OH, 2886
Towbin JA, 876, 1178, 2849
Townend JN, 871, 1470
Toyoda Y, III-326
Toyohara K, 2732
Tracy CM, 1726, 2309, 2309
Tracy RE, 374
Tracy RP, 42, e96, 2335
Travaglini A, III-101
Traverse JH, 2997
Treasure CB, 846
Trehan S, 1755
Treistman B, e171
Tremblay G, 179
Tribble DL, 2284
Tribouilloy C, 1400
Tribouilloy CM, 558
Trimarco B, 552
Trinchero R, 2907
Tripuraneni P, 2915
Trivedi A, 1192
Tsai C-F, 67
Tscholl D, III-79
Tsioufis CP, III-263
Tsuchida A, 458
Tsuchiya T, III-243
Tsuda T, e164
Tsuji T, 399
Tsujino H, III-101
Tsushima K, 1710
Tsutsui H, e170
Tsutsui N, III-259
Tu JV, e61
Tucker RL, 1323
Tuin J, e95
Tuominen J, 1477
Turek M, 1589
Turgeon J, 275, 1883
Turi TG, 2185
Turina MI, 1086, 1871
Turner ST, IV-40
Turunen A-M, 2262
Turunen MP, 2262
Tweddell JS, III-130
Tybjærg-Hansen A, 2197
Tymchak W, 1748
Udelson JE, e73, 1605
Ueda Y, 572
Uehata H, 399
Ueland PM, 2479
Uematsu M, 865, 2005
Uemura S, 2629
Ueng K-C, 67
Ueno K, 2063
Uhal BD, e170
Ullrich R, 1440
Ulzheimer S, 2823
Underwood MJ, 1530
Uphoff J, 2341
Upton PD, 3130
Urasawa K, 2396
Urban P, 624
Uretsky BF, 611
Urheim S, 1158
Ursell PC, 898
Utsumi H, e170
Vacanti JP, III-22, III-44
Vaes J, 630
Vahanian A, e18, 1101, 1761
Vahl C, 2172
Vahlhaus C, 1602
Vakkilainen J, 716
Valderrama M, 1020
Vale PR, 965
Vallance P, 779, 994
Vallbona B, 3080
Vallés J, 1924
Van Aken H, 1602
Van Arsdell GS, III-40, III-123
van Boven AJ, 1629
van Breda E, 677
van de Borne PJH, e91
Van de Werf F, 728, e19, 1766, 2137
van den Eijnde S, 1564
van der Giessen WJ, e121, 511, 951, 1434, e175
van der Giet M, 2548
van der Leij FR, 926
van der Lip K, e122
van der Schouw YT, 1645
van der Steen AFW, 617
Van der Steenhoven T, III-228
van der Wal A, e122
van der Zee R, 677
van Eck-Smit BLF, 2553
van Es G-A, 2930
Van Eyk JE, 1221
van Geuns RJM, e6, e71
van Gorsel E, 677
Van Hare GF, 1283
van Heerde WL, 1564
van Hinsbergh VWM, 2803
van Hout B, 2930
van Kats JP, 1556
Van Langenhove G, e22, e44, e95
van Loon D, e92
van Nieuw Amerongen GP, 2803
van Ooijen P, e6
Van Pelt N, 2880
van 't Veer C, 1420
van Tintelen P, e122
van Veldhuisen DJ, 203
Vandenabeele P, 1420
Vandertie L, 951
Vanhanen H, 1139
Vansant J, 1605
Varadarajan SG, 1172
Varani K, 285
Varin R, 351
Varma N, 2643
Varone P, 432
Vasovagal Syncope International Study (VASIS) Investigators, 294
Vaughan DE, 829, e43, 2190
Vauthey JN, 2671
Vecchione C, 552
Vehkavaara S, 716, 2687
Veksler V, 1847
Velasco JA, e171
Velez DA, III-332
Ventura-Clapier R, 1847
Verani MS, 438, 2599, e189
Verbeuren TJ, 1033
Verdonck F, 2137
Verdouw PD, 1556
Vered Z, 2378
Verhaar MC, e92
Verheugt FWA, 386, 597, e63
Vermeer MA, 2803
Vetrovec GW, 147
Vetter D, 1814
Vetter R, 1582
Veyradier A, 2460
Viappiani S, 2169
Vicedomini G, 2619, e123
Vickery-Clark L, III-281
Viikari J, 1477
Villacastin J, 3080
Villareal RP, e53
Vilquin J-T, III-210
Vincent GM, 1178, 2849
Vincent KA, 2255
Vinten-Johansen J, III-332
Virkamäki A, 2687
Visioli F, 2169
Visser CA, e63
Visser GH, 926
Vita JA, 846
Vlachos HA, 2945
Vliers A, III-116
Voglic SJ, e99
Vogt A, 2172
Vogt IR, 1145
Vogt J, 1602
Vogt MT, 2228
Vohra JK, 1807
Volders PGA, 2137
Volk H-D, 3060
Volta SD, III-222
von Birgelen C, 511
von Smekal A, 1871
von Welser N, 2593
Voroshilovsky O, 1569
Vos MA, 2137, 2145
Voudris V, 2930
Vouhé P, e173
Voullaire L, 432
Voutilainen S, 2677
Vrints C, 2930
Waclawiw M, 35
Waclawiw MA, 2491
Wadström T, 1039
Wakili R, 3074
Waksman R, 951, 2915, e111
Walcott GP, 2659
Waldo AL, 1283
Walinsky P, 268
Walker M, 1358
Walker P, 1245

Walker S, 1382, 1690
Wallace D, 1120
Wallman LL, 411
Walsh AZ, 883
Walsh GL, 2671
Waltenberger J, 185
Walter DH, 1000, 2024
Walther T, III-1, III-95
Walton S, e31
Wang H, 1165
Wang J, III-44
Wang N-P, III-332
Wang Q, 2849
Wang S-P, 2335
Wang X, 565, 1315
Wang Z, 1165
Wannamethee SG, 1358
Ward MR, 1186
Wardeh AJ, 1434, e121
Warltier DC, 3098
Warshofsky MK, 2100
Wasmer K, 2503
Wasserman HS, 2100
Wassmann S, 1828
Watanabe N, 1710, 2528
Watanabe S, 2063
Watelet LFM, 1258
Waters DD, 144
Watkins H, e100
Watkins SJ, 231
Watson PS, 1671
Watterson K, e178
Watts GF, 1264
Waugh JM, 332
Waugh RC, e124
Weaver WD, 1780, 2458, III-107
Webb CM, 1617
Webb DJ, e87, 1937, 2983
Weber C, 411
Weber KT, 1342
Webster J, 1139
Wehling M, 2325
Wehrens XHT, 584, 921
Weidtmann B, 211, 2038
Weihrauch DW, 3098
Weilbaecher D, e189
Weinberg PM, 218
Weiner CP, 445
Weinfurt KP, 642, 1651
Weintraub WS, 126, 392, 489
Weisel RD, III-204
Weiss JN, 1569, 1664
Weissler AM, e40
Weissman NJ, 7, 2915, e111
Weitz HH, 1726, 2309, 2309
Wellens HJJ, 1564, 2137, 2145, 2562, IV-52
Wellnhofer E, e112
Wen W-H, 2983
Wendler O, III-79
Wenman WM, 2341
Wentzel JJ, 511, e22
Werner GS, 2959
Wernovsky G, 883, III-136
Werns S, 846
Wessale JL, 491, 2765
West NEJ, 1744
Westphal S, 1964
Wettwer E, 692
Wetzel U, 2082
Wever RMF, e92
Wharton J, 3130
Wheeler DC, 871
Whelan J, e37
Whisnant JP, 2087
White C, 157
White HD, 1761, 3032
White LR, 951
White P, e107
White PA, III-154
White PC, e183
White R, 1879
White SJ, 231
Whiting J, 3117
Whittaker P, 88
Wick G, 14, 833
Widmer U, 713
Wiebers DO, 2087, 2300
Wiedeman J, 2341
Wiegand U, 211
Wiegand UKH, 2038
Wiegers SE, III-35
Wiese S, 3074
Wiesel P, 3015
Wijffels MF, 260
Wiklund O, 2569
Wilcox I, e91
Wilcox JN, 2528
Wilcox R, 1761
Wilcox RG, 149
Wild RA, e96
Wilde A, 2796, e122
Wilensky RL, 1107
Wiles HB, 2282
Wilhelm MJ, 2426
Willeit J, 14, 833
Willerson JT, 2165, 3032, IV-1, IV-2
Willett WC, 494
Willette R, III-281
Williams DO, 2945
Williams M, 1591
Williams MA, 1069, 1463
Williams WG, III-40, III-123
Williamson DJ, 411
Willmann JK, 1871
Willson K, 2214
Wilson PFW, 1634
Wilson SH, 2028
Winaver J, 1315
Winbeck K, 1536
Winnicki M, 2607, 3068
Winniford M, 846
Winters GL, e11
Winters WL, 2309
Winters WL Jr, 126, 1726
Wit AL, 2417
Witteler R, 1602
Wolbink G-J, e63
Wolcke B, 1780
Wolf M, 2460
Wolf PA, IV-75
Wolf PL, 3111
Wolf YG, e36
Wolfram R, 2694, e175
Wolfs TG, 1420
Wolski K, III-200
Wolski KE, 28
Wong ND, e20
Woo SLC, 332
Woodburn KW, 591, III-275
Worthley SG, 506
Woutman HA, 617
Wowk M, III-319
Wren C, e178
Wrigley J, 2479
Wroblewski H, 319
Wu KK, 1901, 2022
Wu L, 1684
Wylie-Rosett J, 2284
Wyman JD, III-130
Wyse DG, 736

Xi L, 902
Xiao Y, 1323
Xu F, 2745
Xu H, 602
Xu Q, 14, 833
Xu W, 344

Yacoub MH, 326, 3130, III-15, III-216, III-302, III-352, III-359
Yadlapalli S, 2341
Yaghoubi S, e31
Yamada A, 300
Yamada S, 1639
Yamagishi H, e25
Yamagishi M, 2005, 2019
Yamaguchi A, III-275
Yamaguchi M, 663
Yamaguchi T, 2019
Yamamoto H, 2269
Yamamoto K, 1308, 2269, 2522, 2867
Yamamoto N, III-370
Yamamoto T, 2131
Yamamura T, III-269
Yamane T, 2463, 2565
Yamashita N, 452
Yamashita S, 1296
Yanagisawa M, 2765
Yanagitani Y, 766
Yanaka K, e169
Yang B, 1165
Yang J, 3046
Yang J-H, 2185
Yang X-M, 579
Yang Z, 1086
Yano J, 602
Yano M, 2131
Yanowitz F, 2849
Yanowitz FG, 1623
Yasuda T, 663
Yasue H, 670
Yasumura Y, 2019
Yau TM, III-204
Yavuz M, 1589
Yawn DH, 2978
Yazaki Y, 1996
Yee R, 736, 2856
Yeh ETH, 2165
Yeh W, 2945
Yellen L, 2385
Yet S-F, 3015
Yeung AC, 523, 846, 951, 1186
Yiu SF, 1400
Yki-Järvinen H, 716, 2687
Ylä-Herttuala S, 2262
Yock PG, 523, 1657
Yokoya K, 2063
Yokoyama C, 2005
Yokoyama S, 1748
Yoo K-J, III-204
Yoshida H, 2365
Yoshikawa J, e25
Yoshimizu A, e119, e179
Yoshimura T, 2243
Yoshio H, 663
Yoshizawa C, 1605
Young JB, 2443, 3046, e182
Young TM, 1473
Youssef T, 2111
Yousuf S, 2322
Yu W-C, 67
Yu X, 2535
Yu Z-X, 2990
Yuan C, 959
Yue T-L, III-281
Yuksel E, 332
Yusuf S, 1014
Yusuf W, e118

Zabel M, 1252
Zacheo A, 565
Zagrodzky JD, 1027
Zaidi SHE, III-289
Zannad F, 2700
Zanobini M, 1290
Zapol WM, 1440
Zareba W, e46, 1258, 2849
Zarins CK, e36
Zaugg M, 344
Zeballos GA, e37
Zeiher AM, 1000, 2024, 2276
Zeller H, 357
Zellner JL, 1944
Zerkowski H-R, III-188
Zhang L, 1165, 1684, 2849
Zhang M, 2535
Zhang X, 786, 1657
Zhao F, 1014
Zhao T, 902
Zhao Z-Q, III-332
Zheng X, 2659
Zhou X, 2919
Zhu J, 2396, 2491
Zhu W, 2873
Ziada KM, 28
Zidar JP, 523, 1364
Zidek W, 2548
Ziegelstein RC, 2541
Zieske AW, 374
Zijlstra WG, 926
Zile MR, 1045
Zingg J-M, 82
Zioncheck TF, e108
Zipes DP, IV-52
Zito F, 2058
Zoble RG, 2385
Zoghbi J, III-166
Zoghbi WA, 1346, 2599, e100, e189
Zoleo M, 771
Zou Y, 1996
Zowall H, 722
Zucker IH, 1854
Zuffardi O, 432
Zwinderman AH, 1629

Subject Index

Volume 102, July–December 2000

A

Abciximab
- Attainment and Maintenance of Platelet Inhibition Through Standard Dosing of Abciximab in Patients Undergoing Percutaneous Coronary Intervention: Letter, e186, Response, 186
- Economic Assessment of Platelet Glycoprotein IIb/IIIa Receptor Blockade With Abciximab and Low-Dose Heparin During Percutaneous Coronary Revascularization: Results From the EPILOG Randomized Trial, 2923

Ablation
- Alcohol Septal Ablation in Hypertrophic Obstructive Cardiomyopathy: The Need for a Registry, 600
- American College of Cardiology/American Heart Association Clinical Competence Statement on Invasive Electrophysiology Studies, Catheter Ablation, and Cardioversion: A Report of the American College of Cardiology/American Heart Association/American College of Physicians--American Society of Internal Medicine Task Force on Clinical Competence, 2309
- Catheter Ablation of Cardiac Autonomic Nerves for Prevention of Vagal Atrial Fibrillation, 2774
- Electrical Remodeling of the Atria Associated With Paroxysmal and Chronic Atrial Flutter, 1807
- Electrophysiological Breakthroughs From the Left Atrium to the Pulmonary Veins, 2463
- Electrophysiological Mapping and Ablation of Intra-Atrial Reentry Tachycardia After Fontan Surgery With the Use of a Noncontact Mapping System, 419
- Localization of the Slow Conduction Zone During Reentrant Ventricular Tachycardia, 464
- Pulmonary Vein Ablation in Atrial Fibrillation: Hype or Hope? 2562
- Randomized Crossover Comparison of DDDR Versus VDD Pacing After Atrioventricular Junction Ablation for Prevention of Atrial Fibrillation, 736
- Recognition of Left Atrial Aneurysm by Fetal Echocardiography, 2282
- Usefulness of Unipolar Electrograms to Detect Isthmus Block After Radiofrequency Ablation of Typical Atrial Flutter, 3080
- What Have We Learned About Cardiac Arrhythmias? IV-52

Abnormal breathing
- Abnormal Breathing During Sleep and Increased Central Chemoreflex Sensitivity in Congestive Heart Failure: Letter, e91, Response, e91

Absorbable implants
- Biodegradable Stents: "Fulfilling the Mission and Stepping Away", 371

ACC/AHA Clinical Competence Statement
- American College of Cardiology/American Heart Association Clinical Competence Statement on Invasive Electrophysiology Studies, Catheter Ablation, and Cardioversion: A Report of the American College of Cardiology/American Heart Association/American College of Physicians--American Society of Internal Medicine Task Force on Clinical Competence, 2309
- American College of Cardiology/American Heart Association Clinical Competence Statement on Stress Testing: A Report of the American College of Cardiology/American Heart Association/American College of Physicians-American Society of Internal Medicine Task Force on Clinical Competence, 1726
- Recognition of Left Atrial Aneurysm by Fetal Echocardiography, 2282

ACC/AHA Expert Consensus Document
- American College of Cardiology/American Heart Association Expert Consensus Document on Electron-Beam Computed Tomography for the Diagnosis and Prognosis of Coronary Artery Disease, 126

ACC/AHA Practice Guidelines
- ACC/AHA Guidelines for the Management of Patients With Unstable Angina and Non-ST-Segment Elevation Myocardial Infarction: Executive Summary and Recommendations: A Report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Committee on the Management of Patients with Unstable Angina), 1193

Acetates
- The Effects of β_1-Blockade on Oxidative Metabolism and the Metabolic Cost of Ventricular Work in Patients With Left Ventricular Dysfunction: A Double-Blind, Placebo-Controlled, Positron-Emission Tomography Study, 2070

Acetylcholine
- Chronic 17β-Estradiol Replacement Increases Nitric Oxide-Mediated Vasodilation of Guinea Pig Coronary Microcirculation, 445
- Insertion-Deletion Polymorphism of the ACE Gene Modulates Reversibility of Endothelial Dysfunction With ACE Inhibition, 35

Action potentials
- Arrhythmogenic Mechanism of an LQT-3 Mutation of the Human Heart Na^+ Channel α-Subunit: A Computational Analysis, 584
- Mechanisms of Discordant Alternans and Induction of Reentry in Simulated Cardiac Tissue, 1664
- Mechanisms of Ventricular Fibrillation Induction by 60-Hz Alternating Current in Isolated Swine Right Ventricle, 1569

Acute lung injury
- Pulmonary Capillary Endothelium-Bound Angiotensin-Converting Enzyme Activity in Acute Lung Injury, 2011

Adenosine
- Adenosine Primes the Opening of Mitochondrial ATP-Sensitive Potassium Channels: A Key Step in Ischemic Preconditioning? 800
- Anti-Stunning and Anti-Infarct Effects of Adenosine-Enhanced Ischemic Preconditioning, III-326
- Assessment of Myocardial Perfusion by Harmonic Power Doppler Imaging at Rest and During Adenosine Stress: Comparison With ^{99m}Tc-Sestamibi SPECT Imaging, 55
- Brief Antecedent Ischemia Enhances Recombinant Tissue Plasminogen Activator-Induced Coronary Thrombolysis by Adenosine-Mediated Mechanism, 88
- Dose and Time Effects of Caffeine Intake on Human Platelet Adenosine A_{2A} Receptors: Functional and Biochemical Aspects, 285
- G-Protein β_3-Subunit 825T Allele Is Associated With Enhanced Human Atrial Inward Rectifier Potassium Currents, 692
- Inducible Nitric Oxide Synthase Mediates Delayed Myocardial Protection Induced by Activation of Adenosine A_1 Receptors: Evidence From Gene-Knockout Mice, 902
- Myocardial Blood Flow and Myocardial Uptake of ^{201}Tl and ^{99m}Tc-Sestamibi During Coronary Vasodilation Induced by CGS-21680, a Selective Adenosine A_{2A} Receptor Agonist, 438

Adhesion molecules
- Antioxidant Effect of Estrogen on Cytomegalovirus-Induced Gene Expression in Coronary Artery Smooth Muscle Cells, 2990
- Roles of P-Selectin in Inflammation, Neointimal Formation, and Vascular Remodeling in Balloon-Injured Rat Carotid Arteries, 1710

Adiponectin
- Adiponectin, an Adipocyte-Derived Plasma Protein, Inhibits Endothelial NF-κB Signaling Through a cAMP-Dependent Pathway, 1296

Aging
- *Chlamydia pneumoniae*, Herpes Simplex Virus Type 1, and Cytomegalovirus and Incident Myocardial Infarction and Coronary Heart Disease Death in Older Adults: The Cardiovascular Health Study, 2335
- Effect of Exercise on Arterial Compliance, 1214
- Infections, Immunity, and Atherosclerosis: Associations of Antibodies to *Chlamydia pneumoniae*, *Helicobacter pylori*, and Cytomegalovirus With Immune Reactions to Heat-Shock Protein 60 and Carotid or Femoral Atherosclerosis, 833
- Quality of Life After Aortic Valve Replacement at the Age of >80 Years, III-70
- Response to Antihypertensive Therapy in Older Patients With Sustained and Nonsustained Systolic Hypertension, 1139
- Serum Soluble Heat Shock Protein 60 Is Elevated in Subjects With Atherosclerosis in a General Population, 14
- Sympathetic Neural Burst Amplitude Distribution: A More Specific Indicator of Sympathoexcitation in Human Heart Failure, 2076

AHA Science Advisory
Assessment of Functional Capacity in Clinical and Research Applications: An Advisory From the Committee on Exercise, Rehabilitation, and Prevention, Council on Clinical Cardiology, American Heart Association, 1591
Safety and Utility of Exercise Testing in Emergency Room Chest Pain Centers: An Advisory From the Committee on Exercise, Rehabilitation, and Prevention, Council on Clinical Cardiology, American Heart Association, 1463
Soy Protein and Cardiovascular Disease: A Statement for Healthcare Professionals From the Nutrition Committee of the AHA, 2555
AHA Scientific Statement
AHA Dietary Guidelines: Revision 2000: A Statement for Healthcare Professionals From the Nutrition Committee of the American Heart Association, 2284
Recommendations for the Management of Patients With Unruptured Intracranial Aneurysms: A Statement for Healthcare Professionals From the Stroke Council of the American Heart Association, 2300
Team Management of Patients With Heart Failure: A Statement for Healthcare Professionals From the Cardiovascular Nursing Council of the American Heart Association, 2443
AHA/AACVPR Scientific Statement
Core Components of Cardiac Rehabilitation/Secondary Prevention Programs: A Statement for Healthcare Professionals From the American Heart Association and the American Association of Cardiovascular and Pulmonary Rehabilitation, 1069
AIDS
Cardiac Dysfunction and Mortality in HIV-Infected Children: The Prospective P^2C^2 HIV Multicenter Study, 1542
Alcohol
Alcohol Consumption and Risk of Coronary Heart Disease by Diabetes Status, 500
Alcohol Consumption and Risk of Intermittent Claudication in the Framingham Heart Study, 3092
Alcohol Consumption Raises HDL Cholesterol Levels by Increasing the Transport Rate of Apolipoproteins A-I and A-II, 2347
Alcohol Consumption, Diabetes, and Coronary Disease: An Epidemiological Perspective, 489
Moderate Alcohol Consumption and Risk of Coronary Heart Disease Among Women With Type 2 Diabetes Mellitus: Editorial, 487
Moderate Alcohol Consumption and Risk of Coronary Heart Disease Among Women With Type 2 Diabetes Mellitus, 494
Alternans
Mechanisms of Discordant Alternans and Induction of Reentry in Simulated Cardiac Tissue, 1664
American Heart Association periodicals
Lewis A. Conner: Cornell's Osler, 1062
Amidarone
Effects of Amiodarone on Heart Cells: Letter, e170, Response, e170
Amino acids
Does Folic Acid Decrease Plasma Homocysteine and Improve Endothelial Function in Patients With Predialysis Renal Failure? 871
In Vivo and In Vitro Evidence for Impaired Arginine Transport in Human Heart Failure, 2707
Plasma Homocysteine Predicts Mortality Independently of Traditional Risk Factors and C-Reactive Protein in Patients With Angiographically Defined Coronary Artery Disease, 1227
Rapid and Efficient Vascular Transport of Arginine Polymers Inhibits Myointimal Hyperplasia, 2629
Amlodipine
Effect of Amlodipine on the Progression of Atherosclerosis and the Occurrence of Clinical Events, 1503
Aneurysm
Coronary Aneurysm After Endovascular Brachytherapy: True or False?: Letter, e121, Response, e121
Frequency of Atrial Septal Aneurysm in Patients With Cerebral Ischemic Events: Letter, e27
Mitral Valve Aneurysm in Endocarditis: Letter, e102, Response, e102
Real-Time Three-Dimensional Echocardiographic Study of Left Ventricular Function After Infarct Exclusion Surgery for Ischemic Cardiomyopathy, III-101
Recommendations for the Management of Patients With Unruptured Intracranial Aneurysms: A Statement for Healthcare Professionals From the Stroke Council of the American Heart Association, 2300
Results of Immediate Surgical Treatment of All Acute Type A Dissections, III-248
Severe Mitral Regurgitation After Valve Replacement as Cause of Pulmonary Venous Aneurysm, 2159
Treatment of Acute Stanford Type B Aortic Dissection With a Novel Cylindrical Balloon Catheter in Dogs, III-259
Treatment of Iliac Artery Aneurysms by Percutaneous Implantation of Stent Grafts, III-253
Aneurysm, aortic
Concomitant Endovascular Repair of Descending Thoracic and Abdominal Aortic Aneurysm, e36
Aneurysm, false
Ultrasound-Guided Thrombin Injection for the Treatment of Postcatheterization Pseudoaneurysms, 2391
Angina
ACC/AHA Guidelines for the Management of Patients With Unstable Angina and Non-ST-Segment Elevation Myocardial Infarction: Executive Summary and Recommendations: A Report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Committee on the Management of Patients with Unstable Angina), 1193
Canadian-American Differences in the Management of Acute Coronary Syndromes in the GUSTO IIb Trial: One-Year Follow-Up of Patients Without ST-Segment Elevation, 1375
A Classification of Unstable Angina Revisited, 118
Effect of Amlodipine on the Progression of Atherosclerosis and the Occurrence of Clinical Events, 1503
Elevated C-Reactive Protein Levels and Impaired Endothelial Vasoreactivity in Patients With Coronary Artery Disease, 1000
Endothelial Activation in Patients With Cardiac Syndrome X, 2359
Evidence for Antigen-Driven T-Cell Response in Unstable Angina, 1114
Glycoprotein IIb/IIIa Receptor Blockade Improves Outcomes in Diabetic Patients Presenting With Unstable Angina/Non-ST-Elevation Myocardial Infarction: Results From the Platelet Receptor Inhibition in Ischemic Syndrome Management in Patients, 2466
Impact of Diabetes on Long-Term Prognosis in Patients With Unstable Angina and Non-Q-Wave Myocardial Infarction: Results of the OASIS (Organization to Assess Strategies for Ischemic Syndromes) Registry, 1014
Lipoprotein Lipase Activity Is Associated With Severity of Angina Pectoris, 1629
Low-Dose Transdermal Testosterone Therapy Improves Angina Threshold in Men With Chronic Stable Angina: A Randomized, Double-Blind, Placebo-Controlled Study, 1906
Management of Patients With Acute Coronary Syndromes in the United States by Platelet Glycoprotein IIb/IIIa Inhibition: Insights From the Platelet Glycoprotein IIb/IIIa in Unstable Angina: Receptor Suppression Using Integrilin Therapy (PURSUIT) Trial, 1093
Oxidant Stress and Aspirin-Insensitive Thromboxane Biosynthesis in Severe Unstable Angina, 1007
Prognostic Value of C-Reactive Protein in Unstable Angina: Letter, e177, Response, e177
Safety and Utility of Exercise Testing in Emergency Room Chest Pain Centers: An Advisory From the Committee on Exercise, Rehabilitation, and Prevention, Council on Clinical Cardiology, American Heart Association, 1463
Short- and Intermediate-Term Clinical Outcomes From Direct Myocardial Laser Revascularization Guided by Biosense Left Ventricular Electromechanical Mapping, 1120
Unilateral Vineberg Arterial Graft With a Patency of 30 Years, 1724
Angina pectoris
Nitrate Resistance in Platelets From Patients With Stable Angina Pectoris: Letter, e87, Response, e87
Angiogenesis
Adenovirus-Mediated $VEGF_{121}$ Gene Transfer Stimulates Angiogenesis in Normoperfused Skeletal Muscle and Preserves Tissue Perfusion After Induction of Ischemia, 565
Angiogenesis Is Impaired by Hypercholesterolemia: Role of Asymmetric Dimethylarginine, 1414

Angiogenesis Is Induced in a Rabbit Model of Hindlimb Ischemia by Naked DNA Encoding an HIF-1α/VP16 Hybrid Transcription Factor, 2255
Clinical Trials in Coronary Angiogenesis: Issues, Problems, Consensus: An Expert Panel Summary, e73
Folic Acid in Endothelial Function in Familial Hypercholesterolemia: Letter, e92, Response, e92
Hypercholesterolemia Inhibits Angiogenesis in Response to Hindlimb Ischemia: Nitric Oxide-Dependent Mechanism, III-370
Left Ventricular Electromechanical Mapping to Assess Efficacy of phVEGF$_{165}$ Gene Transfer for Therapeutic Angiogenesis in Chronic Myocardial Ischemia, 965
Magnetic Resonance Angiography of a Pulmonary Artery Stenosis Late After Cardiac Surgery, e71
Novel Method to Enhance Sternal Healing After Harvesting Bilateral Internal Thoracic Arteries With Use of Basic Fibroblast Growth Factor, III-307
Therapeutic Angiogenesis With Recombinant Fibroblast Growth Factor-2 Improves Stress and Rest Myocardial Perfusion Abnormalities in Patients With Severe Symptomatic Chronic Coronary Artery Disease, 1605
Therapeutic Myocardial Angiogenesis Via Vascular Endothelial Growth Factor Gene Therapy: Moving on Down the Road, 940
Tissue Inhibition of Angiotensin-Converting Enzyme Activity Stimulates Angiogenesis In Vivo: A Potential Downside, e39
VEGF Gene Delivery to Myocardium: Deleterious Effects of Unregulated Expression, 898

Angiogram

Contrast-Enhanced Magnetic Resonance Angiogram of Coronary Artery Bypass Graft Aneurysm, 3148

Angiographic coronary restenosis

Plasma Urokinase Antigen and Plasminogen Activator Inhibitor-1 Antigen Levels Predict Angiographic Coronary Restenosis: Letter, e167

Angiography

Clinical and Therapeutic Profile of Patients Presenting With Acute Coronary Syndromes Who Do Not Have Significant Coronary Artery Disease, 1101
Considerable Time From the Onset of Plaque Rupture and/or Thrombi Until the Onset of Acute Myocardial Infarction in Humans: Coronary Angiographic Findings Within 1 Week Before the Onset of Infarction, 2063
Coronary Artery Flow Velocity Is Related To Lumen Area and Regional Left Ventricular Mass, 48
Effect of Amlodipine on the Progression of Atherosclerosis and the Occurrence of Clinical Events, 1503
Final Results of the Can Routine Ultrasound Influence Stent Expansion (CRUISE) Study, 523
Randomized Comparison of Elective Stent Implantation and Coronary Balloon Angioplasty Guided by Online Quantitative Angiography and Intracoronary Doppler, 2938
Sex Differences in Management and Outcome After Acute Myocardial Infarction in the 1990s: A Prospective Observational Community-Based Study, 2484
True 3-Dimensional Reconstruction of Coronary Arteries in Patients by Fusion of Angiography and IVUS (ANGUS) and Its Quantitative Validation, 511

Angioplasty

Acute and Delayed Benefits of β-Blockers During Coronary Intervention: True, True and Unrelated, 147
Acute Endothelin-A Receptor Antagonism Prevents Normal Reduction of Myocardial Ischemia on Repeated Balloon Inflations During Angioplasty, 1937
Application of the New York State PTCA Mortality Model in Patients Undergoing Stent Implantation, 517
Are Patients With Renal Failure Good Candidates for Percutaneous Coronary Revascularization in the New Device Era? 2966
Arterial Remodeling: Mechanisms and Clinical Implications, 1186
Bolus Endovascular PDGFR-β Antisense Treatment Suppressed Intimal Hyperplasia in a Rat Carotid Injury Model, 1330
Cardioprotective Effect of Prior β-Blocker Therapy in Reducing Creatine Kinase-MB Elevation After Coronary Intervention: Benefit Is Extended to Improvement in Intermediate-Term Survival, 166
Effect of Coumarins Started Before Coronary Angioplasty on Acute Complications and Long-Term Follow-Up: A Randomized Trial, 386
Effects of β-Emitting ^{188}Re Balloon in Stented; Porcine Coronary Arteries: An Angiographic, Intravascular Ultrasound, and Histomorphometric Study, 3117
Elevated Troponin I Level on Admission Is Associated With Adverse Outcome of Primary Angioplasty in Acute Myocardial Infarction, 1611
Emergency Polytetrafluoroethylene-Covered Stent Implantation to Treat Coronary Ruptures, 3028
Endovascular Brachytherapy for Prophylaxis of Restenosis After Femoropopliteal Angioplasty: Results of a Prospective Randomized Study, 2694
Fulfilling the Promise of Percutaneous Angioplasty, 2674
Immediate Changes of Collateral Function After Successful Recanalization of Chronic Total Coronary Occlusions, 2959
Impact of Smoking on Health-Related Quality of Life After Percutaneous Coronary Revascularization, 1369
Initial and 6-Month Results of Biodegradable Poly-*l*-Lactic Acid Coronary Stents in Humans, 399
Interventional Treatment of Coronary Heart Disease and Peripheral Vascular Disease, IV-81
Management of Patients With Acute Coronary Syndromes in the United States by Platelet Glycoprotein IIb/IIIa Inhibition: Insights From the Platelet Glycoprotein IIb/IIIa in Unstable Angina: Receptor Suppression Using Integrilin Therapy (PURSUIT) Trial, 1093
Percutaneous Coronary Intervention in the Current Era Compared With 1985-1986: The National Heart, Lung, and Blood Institute Registries, 2945
Positive Geometric Vascular Remodeling Is Seen After Catheter-Based Radiation Followed by Conventional Stent Implantation but Not After Radioactive Stent Implantation, 1434
Pronounced Benefit of Coronary Stenting and Adjunctive Platelet Glycoprotein IIb/IIIa Inhibition in Complex Atherosclerotic Lesions, 28
Randomized Comparison of Elective Stent Implantation and Coronary Balloon Angioplasty Guided by Online Quantitative Angiography and Intracoronary Doppler, 2938
Randomized Comparison of GR-II Stent and Palmaz-Schatz Stent for Elective Treatment of Coronary Stenoses, 1364
Randomized Comparison of Primary Stenting and Provisional Balloon Angioplasty Guided by Flow Velocity Measurement, 2930
A Randomized Trial Comparing Stenting With Balloon Angioplasty in Small Vessels in Patients With Symptomatic Coronary Artery Disease, 2593
Reduction of Vein Graft Disease Using Photodynamic Therapy with Motexafin Lutetium in a Rodent Isograft Model, III-275
Regulated Expression of the BTEB2 Transcription Factor in Vascular Smooth Muscle Cells: Analysis of Developmental and Pathological Expression Profiles Shows Implications as a Predictive Factor for Restenosis, 2528
Relationship Between Delay in Performing Direct Coronary Angioplasty and Early Clinical Outcome in Patients With Acute Myocardial Infarction: Letter, e29, Response, e29
Socioeconomic Status Is an Important Determinant of the Use of Invasive Procedures After Acute Myocardial Infarction in New York State, III-107
Targeting Patients Undergoing Angioplasty for Thrombus Inhibition: A Cost-Effectiveness and Decision Support Model, 392
Ultrasound-Guided Strategy for Provisional Stenting With Focal Balloon Combination Catheter: Results From the Randomized Strategy for Intracoronary Ultrasound-Guided PTCA and Stenting (SIPS) Trial, 2497

Angiotensin

Angiotensin-Converting Enzyme Inhibition and Angiotensin II Type 1 Receptor Blockade Prevent Cardiac Remodeling in Pigs After Myocardial Infarction: Role of Tissue Angiotensin II, 1556
Angiotensin II Induces Leukocyte-Endothelial Cell Interactions In Vivo Via AT_1 and AT_2 Receptor-Mediated P-Selectin Upregulation, 2118
Angiotensin II Receptor Subtypes in the Skeletal Muscle Vasculature of Patients With Severe Congestive Heart Failure, 2210

Cardioprotective Mechanism of Ischemic Preconditioning Is Impaired by Postinfarct Ventricular Remodeling Through Angiotensin II Type 1 Receptor Activation, 458
Chronic Exercise Reduces Sympathetic Nerve Activity in Rabbits With Pacing-Induced Heart Failure: A Role for Angiotensin II, 1854
Congestive Heart Failure: Fifty Years of Progress, IV-14
Differential Effects of Estrogen and Progesterone on AT_1 Receptor Gene Expression in Vascular Smooth Muscle Cells, 1828
Effects of Combined Angiotensin II and Endothelin Receptor Blockade With Developing Heart Failure: Effects on Left Ventricular Performance, 1447
Gene Expression of Brain Natriuretic Peptide in Isolated Atrial and Ventricular Human Myocardium: Influence of Angiotensin II and Diastolic Fiber Length, 3074
Inhibitory Effect of Angiotensin II Type 2 Receptor on Coronary Arterial Remodeling After Aortic Banding in Mice, 1684
Insertion-Deletion Polymorphism of the ACE Gene Modulates Reversibility of Endothelial Dysfunction With ACE Inhibition, 35
Insertion/Deletion Polymorphism of the Angiotensin I-Converting Enzyme Gene Is Not Associated With Restenosis After Coronary Stent Placement, 197
Mechanical Unloading Versus Neurohumoral Stimulation on Myocardial Structure and Endocrine Function In Vivo, 338
Myocardial Protection by Preconditioning of Heart With Losartan, an Angiotensin III Type 1-Receptor Blocker: Implication of Bradykinin-Dependent and Bradykinin-Independent Mechanisms, III-346
Oxidized LDL Upregulates Angiotensin II Type 1 Receptor Expression in Cultured Human Coronary Artery Endothelial Cells: The Potential Role of Transcription Factor NF-κB, 1970
Peroxisome Proliferator-Activated Receptor γ Activators Downregulate Angiotensin II Type 1 Receptor in Vascular Smooth Muscle Cells, 1834
Pulmonary Capillary Endothelium-Bound Angiotensin-Converting Enzyme Activity in Acute Lung Injury, 2011
Striking Increase of Natriuresis by Low-Dose Spironolactone in Congestive Heart Failure Only in Combination With ACE Inhibition: Mechanistic Evidence to Support RALES, 2325
Targeting Pathological Remodeling: Concepts of Cardioprotection and Reparation, 1342

Angiotensin-converting enzyme inhibitors
Improvement of Endothelial Function by Chronic Angiotensin-Converting Enzyme Inhibition in Heart Failure: Role of Nitric Oxide, Prostanoids, Oxidant Stress, and Bradykinin, 351
Long-Term Effects of Cholesterol Lowering and Angiotensin-Converting Enzyme Inhibition on Coronary Atherosclerosis: The Simvastatin/Enalapril Coronary Atherosclerosis Trial (SCAT), 1748

Angiotensin II formation
Chymase-Dependent Angiotensin II Formation in Human Vascular Tissue: Letter, e32, Response, e32

ANGPT2
Deletion of a 5-cM Region at Chromosome 8p23 Is Associated With a Spectrum of Congenital Heart Defects, 432

Anisotropy
Anisotropic Reentry in a Perfused 2-Dimensional Layer of Rabbit Ventricular Myocardium, 2650

Antiarrhythmia agents
Dofetilide, 2665
Efficacy and Safety of Oral Dofetilide in Converting to and Maintaining Sinus Rhythm in Patients With Chronic Atrial Fibrillation or Atrial Flutter: The Symptomatic Atrial Fibrillation Investigative Research on Dofetilide (SAFIRE-D) Study, 2385
Molecular Pharmacology of the Sodium Channel Mutation D1790G Linked to the Long-QT Syndrome, 921
New Mechanism of Antiarrhythmic Drug Action: Increasing L-Type Calcium Current Prevents Reentrant Ventricular Tachycardia in the Infarcted Canine Heart, 2417
Randomized Comparison of Antiarrhythmic Drug Therapy With Implantable Defibrillators in Patients Resuscitated From Cardiac Arrest: The Cardiac Arrest Study Hamburg (CASH), 748
Treating Electrical Storm: Sympathetic Blockade Versus Advanced Cardiac Life Support-Guided Therapy, 742

Antibiotics
Randomized Secondary Prevention Trial of Azithromycin in Patients With Coronary Artery Disease: Primary Clinical Results of the ACADEMIC Study, 1755
Secondary Prevention Antibiotic Treatment Trials for Coronary Artery Disease, 1742

Antibodies
Anticardiolipin Antibodies and Recurrent Coronary Events: A Prospective Study of 1150 Patients, 1258
Circulating Immune Complexes in 50-Year-Old Men as a Strong and Independent Risk Factor for Myocardial Infarction, 2576
Cytomegalovirus Seropositivity and C-Reactive Protein Have Independent and Combined Predictive Value for Mortality in Patients With Angiographically Demonstrated Coronary Artery Disease, 1917
Infections, Immunity, and Atherosclerosis: Associations of Antibodies to *Chlamydia pneumoniae*, *Helicobacter pylori*, and Cytomegalovirus With Immune Reactions to Heat-Shock Protein 60 and Carotid or Femoral Atherosclerosis, 833

Anticoagulants
1α,25-Dihydroxyvitamin D_3 and Its Potent Synthetic Analogs Downregulate Tissue Factor and Upregulate Thrombomodulin Expression in Monocytic Cells, Counteracting the Effects of Tumor Necrosis Factor and Oxidized LDL, 2867
Effect of Coumarins Started Before Coronary Angioplasty on Acute Complications and Long-Term Follow-Up: A Randomized Trial, 386
Implications of Stroke Risk Criteria on the Anticoagulation Decision in Nonvalvular Atrial Fibrillation: The Anticoagulation and Risk Factors In Atrial Fibrillation (ATRIA) Study, 11
Novel, Bedside, Tissue Factor-Dependent Clotting Assay Permits Improved Assessment of Combination Antithrombotic and Antiplatelet Therapy, 2051
Peripheral Vascular Disease, IV-46
Treatment of Proximal Deep Vein Thrombosis With a Novel Synthetic Compound (SR90107A/ORG31540) With Pure Anti-Factor Xa Activity: A Phase II Evaluation, 2726

Anticoagulation
Long-Term Effects on Clinical Outcomes of Aggressive Lowering of Low-Density Lipoprotein Cholesterol Levels and Low-Dose Anticoagulation in the Post Coronary Artery Bypass Graft Trial, 157

Antigens
Circulating Immune Complexes in 50-Year-Old Men as a Strong and Independent Risk Factor for Myocardial Infarction, 2576
Elevation of Prostate-Specific Markers After Cardiopulmonary Resuscitation, 290
Evidence for Antigen-Driven T-Cell Response in Unstable Angina, 1114

Antioxidants
Alterations by Norepinephrine of Cardiac Sympathetic Nerve Terminal Function and Myocardial β-Adrenergic Receptor Sensitivity in the Ferret: Normalization by Antioxidant Vitamins, 96
Antioxidant Effect of Estrogen on Cytomegalovirus-Induced Gene Expression in Coronary Artery Smooth Muscle Cells, 2990
Cardiac-Specific Overexpression of Tumor Necrosis Factor-α Causes Oxidative Stress and Contractile Dysfunction in Mouse Diaphragm, 1690
Evidence for Oxidative Activation of c-Myc-Dependent Nuclear Signaling in Human Coronary Smooth Muscle Cells and in Early Lesions of Watanabe Heritable Hyperlipidemic Rabbits: Protective Effects of Vitamin E, 2111
Noradrenergic Vascular Hyper-Responsiveness in Human Hypertension Is Dependent on Oxygen Free Radical Impairment of Nitric Oxide Activity, 552
Oxidized LDL Upregulates Angiotensin II Type 1 Receptor Expression in Cultured Human Coronary Artery Endothelial Cells: The Potential Role of Transcription Factor NF-κB, 1970
Red Wine Intake Prevents Nuclear Factor-κB Activation in Peripheral Blood Mononuclear Cells of Healthy Volunteers During Postprandial Lipemia, 1020
Remnant Lipoproteins Induce Proatherothrombogenic Molecules in Endothelial Cells Through a Redox-Sensitive Mechanism, 670

Aorta
Aortic Root Characteristics of Human Pulmonary Autografts, III-15

Assessment of Severity of Aortic Regurgitation Using the Width of the Vena Contracta: A Clinical Color Doppler Imaging Study, 558
Bicuspid Aortic Valves Are Associated With Aortic Dilatation Out of Proportion to Coexistent Valvular Lesions, III-35
Closed Relation Between Carotid and Ascending Aortic Atherosclerosis in Cardiac Patients, III-263
Disappearance of Aortic Intramural Hematoma and Its Significance to the Prognosis, III-243
Independent Association of High Blood Pressure and Aortic Atherosclerosis: A Population-Based Study, 2087
Penetrating Stab Injury of the Thoracic Aorta, 1068
Prospectively Randomized Comparison of Different Mechanical Aortic Valves, III-1
Prosthesis-Patient Mismatch Affects Survival After Aortic Valve Replacement, III-5
Results of Immediate Surgical Treatment of All Acute Type A Dissections, III-248
Treatment of Acute Stanford Type B Aortic Dissection With a Novel Cylindrical Balloon Catheter in Dogs, III-253
The Unclampable Ascending Aorta in Coronary Artery Bypass Patients: A Surgical Challenge of Increasing Frequency, 1497

Aortic arch
Double Aortic Arch, e93

Aortic dissection
Aortic Dissection at the Coronary Artery Sinus: Magnetic Resonance Angiography Findings, 597

Apolipoproteins
Alcohol Consumption Raises HDL Cholesterol Levels by Increasing the Transport Rate of Apolipoproteins A-I and A-II, 2347
Herpesvirus Infection Accelerates Atherosclerosis in the Apolipoprotein E-Deficient Mouse, 779
Hypertriglyceridemic Waist: A Marker of the Atherogenic Metabolic Triad (Hyperinsulinemia, Hyperapolipoprotein B, Small, Dense LDL) in Men? 179
VLDL, Apolipoproteins B, CIII, and E, and Risk of Recurrent Coronary Events in the Cholesterol and Recurrent Events (CARE) Trial, 1886

Apoptosis
β-Adrenergic Receptor Subtypes Differentially Affect Apoptosis in Adult Rat Ventricular Myocytes, 344
Cardiomyocyte Death Induced by Myocardial Ischemia and Reperfusion: Measurement With Recombinant Human Annexin-V in a Mouse Model, 1564
Decreased Apoptosis and Tissue Factor Expression After Lipid Lowering: Letter, e99, Response, e99
Fas-Mediated Apoptosis in Adriamycin-Induced Cardiomyopathy in Rats: In Vivo Study, 572
Functional Protection by Acute Phase Proteins α_1-Acid Glycoprotein and α_1-Antitrypsin Against Ischemia/Reperfusion Injury by Preventing Apoptosis and Inflammation, 1420
Heat Shock Treatment Enhances Graft Cell Survival in Skeletal Myoblast Transplantation to the Heart, III-216
Insulin Prevents Cardiomyocytes From Oxidative Stress-Induced Apoptosis Through Activation of PI3 Kinase/Akt, 2873
Intrapericardial Paclitaxel Delivery Inhibits Neointimal Proliferation and Promotes Arterial Enlargement After Porcine Coronary Overstretch, 1575
Involvement of CD95/Apo1/Fas in Cell Death After Myocardial Ischemia, 915
Oxidized Low-Density Lipoprotein Is Associated With Apoptosis of Vascular Smooth Muscle Cells in Human Atherosclerotic Plaques, 2680
Spontaneously Occurring Arrhythmogenic Right Ventricular Cardiomyopathy in the Domestic Cat: A New Animal Model Similar to the Human Disease, 1863
Vacuolar H^+-ATPase Plays a Crucial Role in Growth and Phenotypic Modulation of Myofibroblasts in Cultured Human Saphenous Vein, III-269
Zinc-Mediated Reduction of Apoptosis in Cardiac Allografts, III-228

Arabinofuranosyluracil
Uptake of Radiolabeled 2′-Fluoro-2′-Deoxy-5-Iodo-1-β-D-Arabinofuranosyluracil in Cardiac Cells After Adenoviral Transfer of the Herpesvirus Thymidine Kinase Gene: The Cellular Basis for Cardiac Gene Imaging, 948

Arginine
Effect of Chronic Treatment With the Inducible Nitric Oxide Synthase Inhibitor N-Iminoethyl-L-Lysine or With L-Arginine on Progression of Coronary and Aortic Atherosclerosis in Hypercholesterolemic Rabbits, 1033

Arrhythmia
American College of Cardiology/American Heart Association Clinical Competence Statement on Invasive Electrophysiology Studies, Catheter Ablation, and Cardioversion: A Report of the American College of Cardiology/American Heart Association/American College of Physicians--American Society of Internal Medicine Task Force on Clinical Competence, 2309
Arrhythmogenic Mechanism of an LQT-3 Mutation of the Human Heart Na^+ Channel α-Subunit: A Computational Analysis, 584
Clinical and Genetic Heterogeneity of Right Bundle Branch Block and ST-Segment Elevation Syndrome: A Prospective Evaluation of 52 Families, 2509
Contrasting Efficacy of Dofetilide in Differing Experimental Models of Atrial Fibrillation, 104
Cryothermal Ablation of the Slow Pathway for the Elimination of Atrioventricular Nodal Reentrant Tachycardia, 2856
Dofetilide, 2665
Domperidone Should Not Be Considered a No-Risk Alternative to Cisapride in the Treatment of Gastrointestinal Motility Disorders, 1883
Effects of a K^+ Channel Opener to Reduce Transmural Dispersion of Repolarization and Prevent Torsade de Pointes in LQT1, LQT2, and LQT3 Models of the Long-QT Syndrome, 706
Effects of Biatrial Pacing in Prevention of Postoperative Atrial Fibrillation After Coronary Artery Bypass Surgery, 755
Efficacy and Safety of Oral Dofetilide in Converting to and Maintaining Sinus Rhythm in Patients With Chronic Atrial Fibrillation or Atrial Flutter: The Symptomatic Atrial Fibrillation Investigative Research on Dofetilide (SAFIRE-D) Study, 2385
Electrical, Morphological, and Ultrastructural Remodeling and Reverse Remodeling in a Canine Model of Chronic Atrial Fibrillation, 1454
Electromagnetic Versus Fluoroscopic Mapping of the Inferior Isthmus for Ablation of Typical Atrial Flutter: A Prospective Randomized Study, 2082
The Elusive Link Between LQT3 and Brugada Syndrome: The Role of Flecainide Challenge, 945
Estimates of Repolarization Dispersion From Electrocardiographic Measurements, 685
Malignant Ventricular Arrhythmias due to *Aconitum napellus* Seeds, 2907
Mechanisms of Discordant Alternans and Induction of Reentry in Simulated Cardiac Tissue, 1664
Randomized, Double-Blind Trial of Simultaneous Right and Left Atrial Epicardial Pacing for Prevention of Post-Open Heart Surgery Atrial Fibrillation, 761
Recognition of Left Atrial Aneurysm by Fetal Echocardiography, 2282
Spectrum of Mutations in Long-QT Syndrome Genes: *KVLQT1, HERG, SCN5A, KCNE1*, and *KCNE2*, 1178
Spontaneously Occurring Arrhythmogenic Right Ventricular Cardiomyopathy in the Domestic Cat: A New Animal Model Similar to the Human Disease, 1863
Ten-Year Experience of Chordal Replacement With Expanded Polytetrafluoroethylene in Mitral Valve Repair, III-30
What Have We Learned About Cardiac Arrhythmias? IV-52

Arterial duct
Fate of the Stented Arterial Duct: Letter, e178, Response, e178

Arterial graft
Unilateral Vineberg Arterial Graft With a Patency of 30 Years, 1724

Arteries
17β-Estradiol Decreases Endothelin-1 Levels in the Coronary Circulation of Postmenopausal Women With Coronary Artery Disease, 1617
Aging, Habitual Exercise, and Dynamic Arterial Compliance, 1270
Aortic Dissection at the Coronary Artery Sinus: Magnetic Resonance Angiography Findings, 597
Aortic Root Characteristics of Human Pulmonary Autografts, III-15
Complete Arterial Revascularization in Multivessel Coronary Artery Disease With 2 Conduits (Skeletonized Grafts and T Grafts), III-79

Coronary Artery Fly-Through Using Electron Beam Computed Tomography, e6
Difference in Endothelium-Derived Hyperpolarizing Factor-Mediated Hyperpolarization and Nitric Oxide Release Between Human Internal Mammary Artery and Saphenous Vein, III-296
Impaired Endothelial Function and Increased Carotid Stiffness in 9-Year-Old Children With Low Birthweight, 2739
Intravascular Ultrasound for Stent Implantation in Aortic Dissection, 480
Percutaneous Coronary Intervention in the Current Era Compared With 1985-1986: The National Heart, Lung, and Blood Institute Registries, 2945
Quantitative Ultrasonic Tissue Characterization Can Identify High-Risk Atherosclerotic Alteration in Human Carotid Arteries, 766
Tissue Endothelin-Converting Enzyme Activity Correlates With Cardiovascular Risk Factors in Coronary Artery Disease, 1086
Treatment of Iliac Artery Aneurysms by Percutaneous Implantation of Stent Grafts, III-253
True 3-Dimensional Reconstruction of Coronary Arteries in Patients by Fusion of Angiography and IVUS (ANGUS) and Its Quantitative Validation, 511

Arteriosclerosis
Evidence for Oxidative Activation of c-Myc-Dependent Nuclear Signaling in Human Coronary Smooth Muscle Cells and in Early Lesions of Watanabe Heritable Hyperlipidemic Rabbits: Protective Effects of Vitamin E, 2111
Hirudin Reduces Tissue Factor Expression and Attenuates Graft Arteriosclerosis in Rat Cardiac Allografts, 357
Improved Vascular Endothelial Function After Oral B Vitamins: An Effect Mediated Through Reduced Concentrations of Free Plasma Homocysteine, 2479

Arteriovenous malformations
Percutaneous Coil Embolization of Multiple Arteriovenous Malformations in Left Lung Causing Persistent Hypoxia, e118

Artery disease
Percutaneous Embolization of Thoracic Duct Injury, 268

Aspirin
Aspirin and Salicylate: An Old Remedy With a New Twist, 2022
Double-Blind Study of the Safety of Clopidogrel With and Without a Loading Dose in Combination With Aspirin Compared With Ticlopidine in Combination With Aspirin After Coronary Stenting: The Clopidogrel Aspirin Stent International Cooperative Study (CLASSICS), 624
Inhibition of Vascular Smooth Muscle Cell Proliferation by Sodium Salicylate Mediated by Upregulation of $p21^{Waf1}$ and $p27^{Kip1}$, 2124
Oxidant Stress and Aspirin-Insensitive Thromboxane Biosynthesis in Severe Unstable Angina, 1007
Participation of Tyrosine Phosphorylation in Cytoskeletal Reorganization, $\alpha_{IIb}\beta_3$ Integrin Receptor Activation, and Aspirin-Insensitive Mechanisms of Thrombin-Stimulated Human Platelets, 1924
Smoking Increases Tissue Factor Expression in Atherosclerotic Plaques: Implications for Plaque Thrombogenicity, 602

Atheroma
Ultrasound Finding of a Mobile Atheroma in the Common Carotid Artery, e105

Atherosclerosis
Adiponectin, an Adipocyte-Derived Plasma Protein, Inhibits Endothelial NF-κB Signaling Through a cAMP-Dependent Pathway, 1296
Adoptive Transfer of β_2-Glycoprotein I-Reactive Lymphocytes Enhances Early Atherosclerosis in LDL Receptor-Deficient Mice, 1822
Antioxidant Effect of Estrogen on Cytomegalovirus-Induced Gene Expression in Coronary Artery Smooth Muscle Cells, 2990
Arterial Remodeling: Mechanisms and Clinical Implications, 1186
Association of Coronary Heart Disease Risk Factors With Microscopic Qualities of Coronary Atherosclerosis in Youth, 374
Association of Influenza Vaccination and Reduced Risk of Recurrent Myocardial Infarction, 3039
Atherosclerosis and Nitric Oxide Production: Letter, e90
CC Chemokine I-309 Is the Principal Monocyte Chemoattractant Induced by Apolipoprotein(a) in Human Vascular Endothelial Cells, 786
Characterization of Plaque Components With Intravascular Ultrasound Elastography in Human Femoral and Coronary Arteries In Vitro, 617
Chronic Subclinical Inflammation as Part of the Insulin Resistance Syndrome: The Insulin Resistance Atherosclerosis Study (IRAS), 42
Cigarette Smoking: How Much Worse Can It Get? 1340
A Classification of Unstable Angina Revisited, 118
Closed Relation Between Carotid and Ascending Aortic Atherosclerosis in Cardiac Patients, III-263
Coronary Composition and Macrophage Infiltration in Atherectomy Specimens From Patients With Diabetes Mellitus, 2180
Cyclooxygenase-1 and -2-Dependent Prostacyclin Formation in Patients With Atherosclerosis, 840
Detection of *Chlamydia pneumoniae* DNA in CD3+ Lymphocytes From Healthy Blood Donors and Patients With Coronary Artery Disease, 2341
Development of Antibody Against Epitope of Lipoprotein(a) Modified by Oxidation: Evaluation of New Enzyme-Linked Immunosorbent Assay for Oxidized Lipoprotein(a), 1639
Differential Effects of Estrogen and Progesterone on AT_1 Receptor Gene Expression in Vascular Smooth Muscle Cells, 1828
Differential Effects of Oral and Transdermal Estrogen Replacement Therapy on Endothelial Function in Postmenopausal Women, 2687
Direct Evidence for Cytokine Involvement in Neointimal Hyperplasia, 1697
Direct Proinflammatory Effect of C-Reactive Protein on Human Endothelial Cells, 2165
Does Folic Acid Decrease Plasma Homocysteine and Improve Endothelial Function in Patients With Predialysis Renal Failure? 871
Dose-Finding, Safety, and Tolerability Study of an Oral Platelet Glycoprotein IIb/IIIa Inhibitor, Lotrafiban, in Patients With Coronary or Cerebral Atherosclerotic Disease, 728
Effect of Amlodipine on the Progression of Atherosclerosis and the Occurrence of Clinical Events, 1503
Effect of Chronic Treatment With the Inducible Nitric Oxide Synthase Inhibitor N-Iminoethyl-L-Lysine or With L-Arginine on Progression of Coronary and Aortic Atherosclerosis in Hypercholesterolemic Rabbits, 1033
Effect of Renal Artery Stenting on Renal Function and Size in Patients With Atherosclerotic Renovascular Disease, 1671
Endothelial Dysfunction in Men With Small LDL Particles, 716
Endothelial Dysfunction of Coronary Resistance Arteries Is Improved by Tetrahydrobiopterin in Atherosclerosis, 2172
Endothelial Responses to Oxidized Lipoproteins Determine Genetic Susceptibility to Atherosclerosis in Mice, 75
Endothelins and Endothelin Receptor Antagonists: Therapeutic Considerations for a Novel Class of Cardiovascular Drugs, 2434
Expression of Platelet-Activating Factor Receptor in Human Carotid Atherosclerotic Plaques: Relevance to Progression of Atherosclerosis, 2569
Functional Effect of the C242T Polymorphism in the NAD(P)H Oxidase p22phox Gene on Vascular Superoxide Production in Atherosclerosis, 1744
Gene Transfer of the Serine Elastase Inhibitor Elafin Protects Against Vein Graft Degeneration, III-289
Genetic Differences in Endothelial Cells May Determine Atherosclerosis Susceptibility, 5
Herpesvirus Infection Accelerates Atherosclerosis in the Apolipoprotein E-Deficient Mouse, 779
Independent Association of High Blood Pressure and Aortic Atherosclerosis: A Population-Based Study, 2087
Infections, Immunity, and Atherosclerosis: Associations of Antibodies to *Chlamydia pneumoniae*, *Helicobacter pylori*, and Cytomegalovirus With Immune Reactions to Heat-Shock Protein 60 and Carotid or Femoral Atherosclerosis, 833
Insertion-Deletion Polymorphism of the ACE Gene Modulates Reversibility of Endothelial Dysfunction With ACE Inhibition, 35
Long-Term Effects of Cholesterol Lowering and Angiotensin-Converting Enzyme Inhibition on Coronary Atherosclerosis: The Simvastatin/Enalapril Coronary Atherosclerosis Trial (SCAT), 1748
Mental Stress Induces Transient Endothelial Dysfunction in Humans, 2473

Noninvasive Coronary Vessel Wall and Plaque Imaging With Magnetic Resonance Imaging, 2582
Noninvasive In Vivo Human Coronary Artery Lumen and Wall Imaging Using Black-Blood Magnetic Resonance Imaging, 506
Olive Phenol Hydroxytyrosol Prevents Passive Smoking-Induced Oxidative Stress, 2169
Overexpression of Eotaxin and the CCR3 Receptor in Human Atherosclerosis: Using Genomic Technology to Identify a Potential Novel Pathway of Vascular Inflammation, 2185
Oxidized LDL Increases the Sensitivity of the Contractile Apparatus in Isolated Resistance Arteries for Ca^{2+} via a Rho- and Rho Kinase-Dependent Mechanism, 2402
Oxidized Low-Density Lipoprotein Is Associated With Apoptosis of Vascular Smooth Muscle Cells in Human Atherosclerotic Plaques, 2680
Photoangioplasty for Human Peripheral Atherosclerosis: Results of a Phase I Trial of Photodynamic Therapy With Motexafin Lutetium (Antrin), 2322
Photoangioplasty: An Emerging Clinical Cardiovascular Role for Photodynamic Therapy, 591
Quantitative Ultrasonic Tissue Characterization Can Identify High-Risk Atherosclerotic Alteration in Human Carotid Arteries, 766
Red Wine Intake Prevents Nuclear Factor-κB Activation in Peripheral Blood Mononuclear Cells of Healthy Volunteers During Postprandial Lipemia, 1020
Remnant Lipoproteins Induce Proatherothrombogenic Molecules in Endothelial Cells Through a Redox-Sensitive Mechanism, 670
Ribozyme Oligonucleotides Against Transforming Growth Factor-β Inhibited Neointimal Formation After Vascular Injury in Rat Model: Potential Application of Ribozyme Strategy to Treat Cardiovascular Disease, 1308
Risk Reduction, IV-94
Serotonin Increases Interleukin-6 Synthesis in Human Vascular Smooth Muscle Cells, 2522
Serum Soluble Heat Shock Protein 60 Is Elevated in Subjects With Atherosclerosis in a General Population, 14
Smoking Increases Tissue Factor Expression in Atherosclerotic Plaques: Implications for Plaque Thrombogenicity, 602
Specific Cellular Features of Atheroma Associated With Development of Neointima After Carotid Endarterectomy: The Carotid Atherosclerosis and Restenosis Study, 771
Suppression of Inflammation in Primary Systemic Vasculitis Restores Vascular Endothelial Function: Lessons for Atherosclerotic Disease? 1470
Three-Dimensional Intravascular Ultrasound Assessment of Noninjured Edges of β-Irradiated Coronary Segments, 1484
Transfer of $CD4^+$ T Cells Aggravates Atherosclerosis in Immunodeficient Apolipoprotein E Knockout Mice, 2919
Tumor Necrosis Factor-α Promotes In Vitro Calcification of Vascular Cells via the cAMP Pathway, 2636
The Unclampable Ascending Aorta in Coronary Artery Bypass Patients: A Surgical Challenge of Increasing Frequency, 1497
Vascular Biology: The Past 50 Years, IV-112
Visualization of Fibrous Cap Thickness and Rupture in Human Atherosclerotic Carotid Plaque In Vivo With High-Resolution Magnetic Resonance Imaging, 959
Vitamin E Reduces the Uptake of Oxidized LDL by Inhibiting CD36 Scavenger Receptor Expression in Cultured Aortic Smooth Muscle Cells, 82

Athlete's heart
Clinical Significance of Abnormal Electrocardiographic Patterns in Trained Athletes, 278

Atria
Catheter-Mediated Linear Block in the Atria: Letter, e123, Response, e123

Atrial fibrillation
Electrical, Morphological, and Ultrastructural Remodeling and Reverse Remodeling in a Canine Model of Chronic Atrial Fibrillation, 1454
Pulmonary Vein Ablation in Atrial Fibrillation: Hype or Hope? 2562
Reduced Ventricular Response Irregularity Is Associated With Increased Mortality in Patients With Chronic Atrial Fibrillation, 300
Transition From Atrioventricular Node Reentry Tachycardia to Atrial Fibrillation Begins in the Pulmonary Veins, 937

Atrial flutter
Efficacy and Safety of Oral Dofetilide in Converting to and Maintaining Sinus Rhythm in Patients With Chronic Atrial Fibrillation or Atrial Flutter: The Symptomatic Atrial Fibrillation Investigative Research on Dofetilide (SAFIRE-D) Study, 2385
Electrical Remodeling of the Atria Associated With Paroxysmal and Chronic Atrial Flutter, 1807
Electromagnetic Versus Fluoroscopic Mapping of the Inferior Isthmus for Ablation of Typical Atrial Flutter: A Prospective Randomized Study, 2082
Importance of Atrial Flutter Isthmus in Postoperative Intra-Atrial Reentrant Tachycardia, 1283
Usefulness of Unipolar Electrograms to Detect Isthmus Block After Radiofrequency Ablation of Typical Atrial Flutter, 3080

Atrial natriuretic peptide
Mechanical Unloading Versus Neurohumoral Stimulation on Myocardial Structure and Endocrine Function In Vivo, 338

Atrioventricular node
Cryothermal Ablation of the Slow Pathway for the Elimination of Atrioventricular Nodal Reentrant Tachycardia, 2856
Randomized Crossover Comparison of DDDR Versus VDD Pacing After Atrioventricular Junction Ablation for Prevention of Atrial Fibrillation, 736

Atrium
Effects of Digoxin on Acute, Atrial Fibrillation-Induced Changes in Atrial Refractoriness, 2503
Electrical, Morphological, and Ultrastructural Remodeling and Reverse Remodeling in a Canine Model of Chronic Atrial Fibrillation, 1454
Reduction of Atrial Defibrillation Threshold With an Interatrial Septal Electrode, 2659

B

Bacteria
Chlamydia pneumoniae, Herpes Simplex Virus Type 1, and Cytomegalovirus and Incident Myocardial Infarction and Coronary Heart Disease Death in Older Adults: The Cardiovascular Health Study, 2335

Bacteriophages
Selective Targeting of Gene Transfer to Vascular Endothelial Cells by Use of Peptides Isolated by Phage Display, 231

Balloon
Effects of β-Emitting ^{188}Re Balloon in Stented: Porcine Coronary Arteries: An Angiographic, Intravascular Ultrasound, and Histomorphometric Study, 3117
Interventional Treatment of Coronary Heart Disease and Peripheral Vascular Disease, IV-81
Percutaneous Coronary Intervention in the Current Era Compared With 1985-1986: The National Heart, Lung, and Blood Institute Registries, 2945
Randomized Comparison of Primary Stenting and Provisional Balloon Angioplasty Guided by Flow Velocity Measurement, 2930
Treatment of Acute Stanford Type B Aortic Dissection With a Novel Cylindrical Balloon Catheter in Dogs, III-259

Baroreceptors
Abnormal Baroreflex Responses in Patients With Idiopathic Orthostatic Intolerance, 3086
The Elusive Pathophysiology of Neurally Mediated Syncope, 2898
Severely Impaired Baroreflex-Buffering in Patients With Monogenic Hypertension and Neurovascular Contact, 2611

Beraprost sodium
Oral Beraprost Sodium, a Prostaglandin I_2 Analogue, for Intermittent Claudication: A Double-Blind, Randomized, Multicenter Controlled Trial, 426

Bezafibrate
Secondary Prevention by Raising HDL Cholesterol and Reducing Triglycerides in Patients With Coronary Artery Disease: The Bezafibrate Infarction Prevention (BIP) Study, 21

Biological markers
Extensive Troponin I and T Modification Detected in Serum From Patients With Acute Myocardial Infarction, 1221

Biomechanics
Diastolic Biomechanics in Normal Infants Utilizing MRI Tissue Tagging, 218

Biopsy
Skin Cancer in Heart Transplant Recipients: Risk Factor Analysis and Relevance of Immunosuppressive Therapy, III-222
β-Blockers
Acute and Delayed Benefits of β-Blockers During Coronary Intervention: True, True and Unrelated, 147
Cardioprotective Effect of Prior β-Blocker Therapy in Reducing Creatine Kinase-MB Elevation After Coronary Intervention: Benefit Is Extended to Improvement in Intermediate-Term Survival, 166
Blood cells
Association Between White Blood Cell Count, Epicardial Blood Flow, Myocardial Perfusion, and Clinical Outcomes in the Setting of Acute Myocardial Infarction: A Thrombolysis In Myocardial Infarction 10 Substudy, 2329
Red Wine Intake Prevents Nuclear Factor-κB Activation in Peripheral Blood Mononuclear Cells of Healthy Volunteers During Postprandial Lipemia, 1020
Blood flow
Assessment of Coronary Stenosis Severity and Transmural Perfusion Gradient by Myocardial Contrast Echocardiography: Comparison of Gray-Scale B-Mode With Power Doppler Imaging, 1427
Association Between White Blood Cell Count, Epicardial Blood Flow, Myocardial Perfusion, and Clinical Outcomes in the Setting of Acute Myocardial Infarction: A Thrombolysis In Myocardial Infarction 10 Substudy, 2329
Coronary Heart Disease in Smokers: Vitamin C Restores Coronary Microcirculatory Function, 1233
Coronary Pressure Measurement to Assess the Hemodynamic Significance of Serial Stenoses Within One Coronary Artery: Validation in Humans, 2371
Cyclic Nucleotide Phosphodiesterase Type 5 Activity Limits Blood Flow to Hypoperfused Myocardium During Exercise, 2997
Differential Effects of Oral and Transdermal Estrogen Replacement Therapy on Endothelial Function in Postmenopausal Women, 2687
Effects of Sildenafil Citrate (Viagra) Combined With Nitrate on the Heart, 2516
Elevated C-Reactive Protein Levels and Impaired Endothelial Vasoreactivity in Patients With Coronary Artery Disease, 1000
Endogenous Tissue Factor Pathway Inhibitor Modulates Thrombus Formation in an In Vivo Model of Rabbit Carotid Artery Stenosis and Endothelial Injury, 113
Endothelial Dysfunction in Men With Small LDL Particles, 716
A New Role for P-Selectin in Shear-Induced Platelet Aggregation, 2045
Noradrenergic Vascular Hyper-Responsiveness in Human Hypertension Is Dependent on Oxygen Free Radical Impairment of Nitric Oxide Activity, 552
Novel Method to Enhance Sternal Healing After Harvesting Bilateral Internal Thoracic Arteries With Use of Basic Fibroblast Growth Factor, III-307
Perinatal Changes in Myocardial Metabolism in Lambs, 926
The Power-Velocity Integral at the Vena Contracta: A New Method for Direct Quantification of Regurgitant Volume Flow, 1053
Pulsatile Flow in Patients With a Novel Nonpulsatile Implantable Ventricular Assist Device, III-183
Regular Aerobic Exercise Prevents and Restores Age-Related Declines in Endothelium-Dependent Vasodilation in Healthy Men, 1351
Blood flow velocity
Coronary Artery Flow Velocity Is Related To Lumen Area and Regional Left Ventricular Mass, 48
Blood pressure
Abnormal Baroreflex Responses in Patients With Idiopathic Orthostatic Intolerance, 3086
AHA Dietary Guidelines: Revision 2000: A Statement for Healthcare Professionals From the Nutrition Committee of the American Heart Association, 2284
Differential Effects of Eicosapentaenoic Acid and Docosahexaenoic Acid on Vascular Reactivity of the Forearm Microcirculation in Hyperlipidemic, Overweight Men, 1264
Genetics of Hypertension, Target-Organ Complications, and Response to Therapy, IV-40
Genome-Wide Linkage Analysis of Systolic and Diastolic Blood Pressure: The Québec Family Study, 1956
Independent Association of High Blood Pressure and Aortic Atherosclerosis: A Population-Based Study, 2087
Relationship Between Circadian Blood Pressure Patterns and Progression of Early Carotid Atherosclerosis: A 3-Year Follow-Up Study, 1536
Sympathetic Activation by Sildenafil, 3068
Sympathetic Activity and Baroreflex Sensitivity in Young Women Taking Oral Contraceptives, 1473
Tissue Endothelin-Converting Enzyme Activity Correlates With Cardiovascular Risk Factors in Coronary Artery Disease, 1086
Two-Year Changes in Blood Pressure and Subsequent Risk of Cardiovascular Disease in Men, 307
Blood pressure monitoring
Response to Antihypertensive Therapy in Older Patients With Sustained and Nonsustained Systolic Hypertension, 1139
Blotting, western
Extensive Troponin I and T Modification Detected in Serum From Patients With Acute Myocardial Infarction, 1221
Book Reviews
Antiplatelet Therapy in Clinical Practice, e50
Clinical Cardiac Rehabilitation: A Cardiologist's Guide, 2nd Ed, e48
Endothelium, Nitric Oxide, and Atherosclerosis: From Basic Mechanisms to Clinical Implications, e51
Myocardial Viability: A Clinical and Scientific Treatise, e49
Brachytherapy
Coronary Aneurysm After Endovascular Brachytherapy: True or False? Letter, e121, Response, e121
Endovascular Brachytherapy and Late Thrombotic Occlusion: Letter, e175, Response, e175
Positive Remodeling, Regression of In-Stent Neointimal Hyperplasia, and Late Stent Malapposition in the Absence of Brachytherapy, e111
Bradycardia
Anti-Ro-Associated Sinus Bradycardia in Newborns: Letter, e88, Response, e88
Bradykinin
Angiotensin-Converting Enzyme Insertion/Deletion Polymorphism Modulates the Human In Vivo Metabolism of Bradykinin, 829
Bradykinin Stimulates Tissue Plasminogen Activator Release From Human Forearm Vasculature Through B_2 Receptor-Dependent, NO Synthase-Independent, and Cyclooxygenase-Independent Pathway, 2190
Myocardial Protection by Preconditioning of Heart With Losartan, an Angiotensin III Type 1-Receptor Blocker: Implication of Bradykinin-Dependent and Bradykinin-Independent Mechanisms, III-346
Brain
Activation of the Heart by Donor Brain Death Accelerates Acute Rejection After Transplantation, 2426
Oral Glycoprotein IIb/IIIa Inhibition With Orbofiban in Patients With Unstable Coronary Syndromes (OPUS-TIMI 16) Trial, 149
Breast neoplasms
Trastuzumab in the Treatment of Metastatic Breast Cancer: Anticancer Therapy Versus Cardiotoxicity, 272
Brugada syndrome
The Elusive Link Between LQT3 and Brugada Syndrome: The Role of Flecainide Challenge, 945
Bundle-branch block
Left Ventricular or Biventricular Pacing Improves Cardiac Function at Diminished Energy Cost in Patients With Dilated Cardiomyopathy and Left Bundle-Branch Block, 3053
Bypass
HDL Cholesterol Level Predicts Survival in Men After Coronary Artery Bypass Graft Surgery: 20-Year Experience From The Cleveland Clinic Foundation, III-90
Late Results of the Warm Heart Trial: The Influence of Nonfatal Cardiac Events on Late Survival, III-339
Long-Term Effects on Clinical Outcomes of Aggressive Lowering of Low-Density Lipoprotein Cholesterol Levels and Low-Dose Anticoagulation in the Post Coronary Artery Bypass Graft Trial, 157
Postscripts From the Post Coronary Artery Bypass Graft Trial: The Sustained Benefit of More Aggressive Cholesterol Lowering and the Enigma of Low-Dose Anticoagulation, 144

Randomized Controlled Study Investigating the Effect of Biatrial Pacing in Prevention of Atrial Fibrillation After Coronary Artery Bypass Grafting, 1382
Randomized, Double-Blind Trial of Simultaneous Right and Left Atrial Epicardial Pacing for Prevention of Post-Open Heart Surgery Atrial Fibrillation, 761
Reduction of Vein Graft Disease Using Photodynamic Therapy with Motexafin Lutetium in a Rodent Isograft Model, III-275
Risks of Morbidity and Mortality in Dialysis Patients Undergoing Coronary Artery Bypass Surgery, 2973

C

Caffeine
Dose and Time Effects of Caffeine Intake on Human Platelet Adenosine A_{2A} Receptors: Functional and Biochemical Aspects, 285
Calcineurin
Calcineurin Inhibitor Attenuates Left Ventricular Hypertrophy, Leading to Prevention of Heart Failure in Hypertensive Rats, 2269
Calcium
Acute Hemodynamic and Clinical Effects of Levosimendan in Patients With Severe Heart Failure, 2222
Altered Stoichiometry of FKBP12.6 Versus Ryanodine Receptor as a Cause of Abnormal Ca^{2+} Leak Through Ryanodine Receptor in Heart Failure, 2131
Arrhythmogenic Mechanism of an LQT-3 Mutation of the Human Heart Na^+ Channel α-Subunit: A Computational Analysis, 584
Cardioplegic Strategies for Calcium Control: Low Ca^{2+}, High Mg^{2+}, Citrate, or Na^+/H^+ Exchange Inhibitor HOE-642, III-319
Chronic α-Adrenergic Receptor Stimulation Modulates the Contractile Phenotype of Cardiac Myocytes In Vitro, 2249
Chronic Unloading by Left Ventricular Assist Device Reverses Contractile Dysfunction and Alters Gene Expression in End-Stage Heart Failure, 2713
Coronary Calcium Does Not Accurately Predict Near-Term Future Coronary Events in High-Risk Adults: Letter, e20, Response, e20
Enhanced Ca^{2+} Release and Na/Ca Exchange Activity in Hypertrophied Canine Ventricular Myocytes: Potential Link Between Contractile Adaptation and Arrhythmogenesis, 2137
Hypoxia/Reoxygenation Stimulates Intracellular Calcium Oscillations in Human Aortic Endothelial Cells, 2541
Lack of Direct Role for Calcium in Ischemic Diastolic Dysfunction in Isolated Hearts, 2643
Minimally Invasive Evaluation of Coronary Microvascular Function by Electron Beam Computed Tomography, 2411
Nebivolol: A Third-Generation β-Blocker That Augments Vascular Nitric Oxide Release: Endothelial β_3-Adrenergic Receptor-Mediated Nitric Oxide Production, 677
New Mechanism of Antiarrhythmic Drug Action: Increasing L-Type Calcium Current Prevents Reentrant Ventricular Tachycardia in the Infarcted Canine Heart, 2417
Probabilistic Model for Prediction of Angiographically Defined Obstructive Coronary Artery Disease Using Electron Beam Computed Tomography Calcium Score Strata, 380
Reduced Cytosolic Ca^{2+} Loading and Improved Cardiac Function After Cardioplegic Cold Storage of Guinea Pig Isolated Hearts, 1172
Regulation of Cardiac Contraction and Relaxation, IV-69
The Unclampable Ascending Aorta in Coronary Artery Bypass Patients: A Surgical Challenge of Increasing Frequency, 1497
Vesnarinone Restores Contractility and Calcium Handling in Early Endotoxemia, III-365
Carbachol
G-Protein β_3-Subunit 825T Allele Is Associated With Enhanced Human Atrial Inward Rectifier Potassium Currents, 692
Cardiac death
Failed Sudden Cardiac Death in a Patient With an Anomalous Origin of the Right Coronary Artery, 1461
Cardiac risk
Simple Index for Prediction of Cardiac Risk in Stable Patients Undergoing Nonurgent Major Noncardiac Surgery: What About the More Severely Compromised Patients? Letter, e106, Response, e106
Cardiac troponin T
Homozygous Mutation in Cardiac Troponin T: Implications for Hypertrophic Cardiomyopathy, 1950
Cardiology
Meeting Highlights: Highlights of the 49th Scientific Sessions of the American College of Cardiology, e53
Cardiomyopathy
Adriamycin-Induced Early Changes in Myocardial Antioxidant Enzymes and Their Modulation by Probucol, 2105
Alcohol Septal Ablation in Hypertrophic Obstructive Cardiomyopathy: The Need for a Registry, 600
Clinical Features of Hypertrophic Cardiomyopathy Caused by a Lys183 Deletion Mutation in the Cardiac Troponin I Gene, 663
Collagen and Transforming Growth Factor-β in Dilated Cardiomyopathy, e66
Collagen and Transforming Growth Factor-β in Dilated Cardiomyopathy: Letter, e66
Congestive Heart Failure: Fifty Years of Progress, IV-14
Decreased SLIM1 Expression and Increased Gelsolin Expression in Failing Human Hearts Measured by High-Density Oligonucleotide Arrays, 3046
Differentiation Between Restrictive Cardiomyopathy and Constrictive Pericarditis by Early Diastolic Doppler Myocardial Velocity Gradient at the Posterior Wall, 655
Dilated Cardiomyopathy and the Desmin Gene: Letter, e100, Response, e100
Echocardiographic Characterization of Cardiomyopathy in Friedreich's Ataxia With Tissue Doppler Echocardiographically Derived Myocardial Velocity Gradients, 1276
Epidemiology of Hypertrophic Cardiomyopathy-Related Death: Revisited in a Large Non-Referral-Based Patient Population, 858
Fas-Mediated Apoptosis in Adriamycin-Induced Cardiomyopathy in Rats: In Vivo Study, 572
Heart Cell Transplantation Improves Heart Function in Dilated Cardiomyopathic Hamsters, III-204
Homozygous Mutation in Cardiac Troponin T: Implications for Hypertrophic Cardiomyopathy, 1950
Insulin Prevents Cardiomyocytes From Oxidative Stress-Induced Apoptosis Through Activation of PI3 Kinase/Akt, 2873
A Matrix Metalloproteinase Induction/Activation System Exists in the Human Left Ventricular Myocardium and Is Upregulated in Heart Failure, 1944
Monocyte Chemoattractant Protein-1 is Upregulated in Rats With Volume-Overload Congestive Heart Failure, 1315
Myocardial Diseases, IV-34
Nitric Oxide Inhibits Dystrophin Proteolysis by Coxsackieviral Protease 2A Through S-Nitrosylation: A Protective Mechanism Against Enteroviral Cardiomyopathy, 2276
Novel Mutation in the α-Tropomyosin Gene and Transition From Hypertrophic to Hypocontractile Dilated Cardiomyopathy, e112
Pheochromocytoma-Induced Cardiomyopathy, e11
Prevalence of Myocardial Viability as Detected by Positron Emission Tomography in Patients With Ischemic Cardiomyopathy: Letter, e31, Response, e31
Real-Time Three-Dimensional Echocardiographic Study of Left Ventricular Function After Infarct Exclusion Surgery for Ischemic Cardiomyopathy, III-101
Spontaneously Occurring Arrhythmogenic Right Ventricular Cardiomyopathy in the Domestic Cat: A New Animal Model Similar to the Human Disease, 1863
Sudden Death and Cardiovascular Collapse in Children With Restrictive Cardiomyopathy, 876
Tissue Doppler Imaging Consistently Detects Myocardial Contraction and Relaxation Abnormalities, Irrespective of Cardiac Hypertrophy, in a Transgenic Rabbit Model of Human Hypertrophic Cardiomyopathy, 1346
Cardioplegia
Cardioplegic Strategies for Calcium Control: Low Ca^{2+}, High Mg^{2+}, Citrate, or Na^+/H^+ Exchange Inhibitor HOE-642, III-319
Does Cardioplegia Type Affect Outcome and Survival in Patients With Advanced Left Ventricular Dysfunction? Results From the CABG Patch Trial, III-84
Glutathione Reverses Endothelial Damage From Peroxynitrite, the Byproduct of Nitric Oxide Degradation, in Crystalloid Cardioplegia, III-332

Late Results of the Warm Heart Trial: The Influence of Nonfatal Cardiac Events on Late Survival, III-339
Reduced Cytosolic Ca^{2+} Loading and Improved Cardiac Function After Cardioplegic Cold Storage of Guinea Pig Isolated Hearts, 1172

Cardiopulmonary bypass
Alterations in Endogenous Nitric Oxide Production After Cardiopulmonary Bypass in Lambs With Normal and Increased Pulmonary Blood Flow, III-172
Cognitive Development After the Fontan Operation, 883
Humoral Immune Response During Coronary Artery Bypass Grafting: A Comparison of Limited Approach, "Off-Pump" Technique, and Conventional Cardiopulmonary Bypass, III-95
Inhibition of the Sodium-Hydrogen Exchanger With Cariporide to Prevent Myocardial Infarction in High-Risk Ischemic Situations: Main Results of the GUARDIAN Trial, 3032
The Past 50 Years of Cardiovascular Surgery, IV-87
Predictors of Atrial Fibrillation After Conventional and Beating Heart Coronary Surgery: A Prospective, Randomized Study, 1530

Cardiopulmonary resuscitation
Elevation of Prostate-Specific Markers After Cardiopulmonary Resuscitation, 290
Predicting Outcome of Defibrillation by Spectral Characterization and Nonparametric Classification of Ventricular Fibrillation in Patients With Out-of-Hospital Cardiac Arrest, 1523

Cardiothoracic surgery
National Heart, Lung, and Blood Institute Cardiothoracic Surgery Program: Drawing from Our Past, Building for Our Future, 1212

Cardiovascular diseases
Anticipatory Blood Pressure Responses to Exercise Are Associated With Left Ventricular Mass in Finnish Men: Kuopio Ischemic Heart Disease Risk Factor Study, 1394
Association of Fibrinogen With Cardiovascular Risk Factors and Cardiovascular Disease in the Framingham Offspring Population, 1634
Cardiac Troponin T Predicts Mortality in Patients With End-Stage Renal Disease, 1964
Cardiorespiratory Fitness and Coronary Heart Disease Risk Factors: The LDS Hospital Fitness Institute Cohort, 1623
Chronic Hypoxia Stimulates Periarterial Sympathetic Nerve Development in Chicken Embryo, 2892
Complete Arterial Revascularization in Multivessel Coronary Artery Disease With 2 Conduits (Skeletonized Grafts and T Grafts), III-79
Core Components of Cardiac Rehabilitation/Secondary Prevention Programs: A Statement for Healthcare Professionals From the American Heart Association and the American Association of Cardiovascular and Pulmonary Rehabilitation, 1069
Cost-Effectiveness of Treating Hyperlipidemia in the Presence of Diabetes: Who Should Be Treated? 722
Genetics of Cardiovascular Disease, IV-103
Genetics of Hypertension, Target-Organ Complications, and Response to Therapy, IV-40
Homozygosity for 807 T Polymorphism in α_2 Subunit of Platelet $\alpha_2\beta_1$ Is Associated With Increased Risk of Cardiovascular Mortality in High-Risk Women, 1645
Introduction to 50th Anniversary Celebration Issue for *Circulation*, IV-1
Monitoring Embolism in Real Time, 826
Quo Vadis? How Should We Train Cardiologists at the Turn of the Century? 932
Relationship Between Circadian Blood Pressure Patterns and Progression of Early Carotid Atherosclerosis: A 3-Year Follow-Up Study, 1536
Results of Immediate Surgical Treatment of All Acute Type A Dissections, III-248
Secondary Prevention by Raising HDL Cholesterol and Reducing Triglycerides in Patients With Coronary Artery Disease: The Bezafibrate Infarction Prevention (BIP) Study, 21
Secondary Prevention of Coronary Heart Disease: The Role of Fibric Acids, 2
Trends and Disparities in Coronary Heart Disease, Stroke, and Other Cardiovascular Diseases in the United States: Findings of the National Conference on Cardiovascular Disease Prevention, 3137

Cardiovascular Drugs
Dofetilide, 2665

Cardioversion
American College of Cardiology/American Heart Association Clinical Competence Statement on Invasive Electrophysiology Studies, Catheter Ablation, and Cardioversion: A Report of the American College of Cardiology/American Heart Association/American College of Physicians--American Society of Internal Medicine Task Force on Clinical Competence, 2309
Dofetilide, 2665
Initial Clinical Experience With Ambulatory Use of an Implantable Atrial Defibrillator for Conversion of Atrial Fibrillation, 1407
Randomized Comparison of Antiarrhythmic Drug Therapy With Implantable Defibrillators in Patients Resuscitated From Cardiac Arrest: The Cardiac Arrest Study Hamburg (CASH), 748
Recognition of Left Atrial Aneurysm by Fetal Echocardiography, 2282

Cariporide
Inhibition of the Sodium-Hydrogen Exchanger With Cariporide to Prevent Myocardial Infarction in High-Risk Ischemic Situations: Main Results of the GUARDIAN Trial, 3032

Carotid arteries
Closed Relation Between Carotid and Ascending Aortic Atherosclerosis in Cardiac Patients, III-263
Congenital Kinking of the Internal Carotid Artery in Twin Brothers, e173
Direct Evidence for Cytokine Involvement in Neointimal Hyperplasia, 1697
Relationship Between Circadian Blood Pressure Patterns and Progression of Early Carotid Atherosclerosis: A 3-Year Follow-Up Study, 1536
Remodeling of Carotid Artery Is Associated With Increased Expression of Matrix Metalloproteinases in Mouse Blood Flow Cessation Model, 2861
Specific Cellular Features of Atheroma Associated With Development of Neointima After Carotid Endarterectomy: The Carotid Atherosclerosis and Restenosis Study, 771
Ultrasound Finding of a Mobile Atheroma in the Common Carotid Artery, e105

Carotid artery diseases
Monitoring Embolism in Real Time, 826

Catecholamines
β-Adrenergic Receptor Subtypes Differentially Affect Apoptosis in Adult Rat Ventricular Myocytes, 344
Both β_2- and β_1-Adrenergic Receptors Mediate Hastened Relaxation and Phosphorylation of Phospholamban and Troponin I in Ventricular Myocardium of Fallot Infants, Consistent With Selective Coupling of β_2-Adrenergic, 1814
The Elusive Pathophysiology of Neurally Mediated Syncope, 2898

Catheter ablation
Circumferential Radiofrequency Ablation of Pulmonary Vein Ostia: A New Anatomic Approach for Curing Atrial Fibrillation, 2619
Cryothermal Ablation of the Slow Pathway for the Elimination of Atrioventricular Nodal Reentrant Tachycardia, 2856
Efficacy and Safety of an Irrigated-Tip Catheter for the Ablation of Accessory Pathways Resistant to Conventional Radiofrequency Ablation, 2565
Electromagnetic Versus Fluoroscopic Mapping of the Inferior Isthmus for Ablation of Typical Atrial Flutter: A Prospective Randomized Study, 2082
Importance of Atrial Flutter Isthmus in Postoperative Intra-Atrial Reentrant Tachycardia, 1283
Initiation of Atrial Fibrillation by Ectopic Beats Originating From the Superior Vena Cava: Electrophysiological Characteristics and Results of Radiofrequency Ablation, 67
Visualization and Temporal/Spatial Characterization of Cardiac Radiofrequency Ablation Lesions Using Magnetic Resonance Imaging, 698

Catheterization
Socioeconomic Status Is an Important Determinant of the Use of Invasive Procedures After Acute Myocardial Infarction in New York State, III-107
Transcatheter Implantation of a Bovine Valve in Pulmonary Position: A Lamb Study, 813

Catheters
Characterization of Plaque Components With Intravascular Ultrasound Elastography in Human Femoral and Coronary Arteries In Vitro, 617
Effect of Intracoronary γ-Radiation Therapy on In-Stent Restenosis: An Intravascular Ultrasound Analysis from the Gamma-1 Study, 2915
Efficacy and Safety of an Irrigated-Tip Catheter for the Ablation of Accessory Pathways Resistant to Conventional Radiofrequency Ablation, 2565
First Human Experience With Pulmonary Vein Isolation Using a Through-the-Balloon Circumferential Ultrasound Ablation System for Recurrent Atrial Fibrillation, 1879
Photoangioplasty for Human Peripheral Atherosclerosis: Results of a Phase I Trial of Photodynamic Therapy With Motexafin Lutetium (Antrin), 2322
Treatment of Acute Stanford Type B Aortic Dissection With a Novel Cylindrical Balloon Catheter in Dogs, III-259
Cavotricuspid isthmus
Differential Pacing for Distinguishing Block From Persistent Conduction Through an Ablation Line, 1517
Cell adhesion
Heparin Also Interacts With Selectins and Modulates the Cell Adhesion Process: Letter, e169, Response, e169
Cell adhesion molecules
Angiotensin II Induces Leukocyte-Endothelial Cell Interactions In Vivo Via AT_1 and AT_2 Receptor-Mediated P-Selectin Upregulation, 2118
Direct Proinflammatory Effect of C-Reactive Protein on Human Endothelial Cells, 2165
Endothelial Activation in Patients With Cardiac Syndrome X, 2359
Low-Density Lipoprotein Postsecretory Modification, Monocyte Function, and Circulating Adhesion Molecules in Type 2 Diabetic Patients With and Without Macrovascular Complications: The Effect of α-Tocopherol Supplementation, 191
Remnant Lipoproteins Induce Proatherothrombogenic Molecules in Endothelial Cells Through a Redox-Sensitive Mechanism, 670
Role of Monocyte Chemoattractant Protein-1 in Cardiovascular Remodeling Induced by Chronic Blockade of Nitric Oxide Synthesis, 2243
Value of Serum-Soluble Intercellular Adhesion Molecule-1 for the Noninvasive Risk Assessment of Transplant Coronary Artery Disease, Posttransplant Ischemic Events, and Cardiac Graft Failure, 1549
Cell movement
Vascular Endothelial Growth Factor-A-Induced Chemotaxis of Monocytes Is Attenuated in Patients With Diabetes Mellitus: A Potential Predictor for the Individual Capacity to Develop Collaterals, 185
Cells
Bioengineered Cardiac Grafts: A New Approach to Repair the Infarcted Myocardium? III-56
Cardiomyocyte Death Induced by Myocardial Ischemia and Reperfusion: Measurement With Recombinant Human Annexin-V in a Mouse Model, 1564
Detection of *Chlamydia pneumoniae* DNA in CD3+ Lymphocytes From Healthy Blood Donors and Patients With Coronary Artery Disease, 2341
Development of a Novel Method for Cell Transplantation Through the Coronary Artery, III-359
Effects of a K^+ Channel Opener to Reduce Transmural Dispersion of Repolarization and Prevent Torsade de Pointes in LQT1, LQT2, and LQT3 Models of the Long-QT Syndrome, 706
Effects of Amiodarone on Heart Cells: Letter, e170
Endothelial Responses to Oxidized Lipoproteins Determine Genetic Susceptibility to Atherosclerosis in Mice, 75
Expression of Platelet-Activating Factor Receptor in Human Carotid Atherosclerotic Plaques: Relevance to Progression of Atherosclerosis, 2569
Functional Living Trileaflet Heart Valves Grown In Vitro, III-44
Heart Cell Transplantation Improves Heart Function in Dilated Cardiomyopathic Hamsters, III-204
Heat Shock Treatment Enhances Graft Cell Survival in Skeletal Myoblast Transplantation to the Heart, III-216
In Vivo and In Vitro Evidence for Impaired Arginine Transport in Human Heart Failure, 2707
Increased Activity of Nuclear Factor-κB Participates in Cardiovascular Remodeling Induced by Chronic Inhibition of Nitric Oxide Synthesis in Rats, 806
Inhibition of Vascular Smooth Muscle Cell Proliferation by Sodium Salicylate Mediated by Upregulation of $p21^{Waf1}$ and $p27^{Kip1}$, 2124
Intramyocardial Transplantation of Autologous Myoblasts: Can Tissue Processing Be Optimized? III-210
Isolation and Characterization of Coenzyme A Glutathione Disulfide as a Parathyroid-Derived Vasoconstrictive Factor, 2548
Low-Density Lipoprotein Postsecretory Modification, Monocyte Function, and Circulating Adhesion Molecules in Type 2 Diabetic Patients With and Without Macrovascular Complications: The Effect of α-Tocopherol Supplementation, 191
Matrix Matters, 1874
Microtubule Depolymerization Normalizes In Vivo Myocardial Contractile Function in Dogs With Pressure-Overload Left Ventricular Hypertrophy, 1045
Overexpression of G Protein-Coupled Receptor Kinase-2 in Smooth Muscle Cells Attenuates Mitogenic Signaling via G Protein-Coupled and Platelet-Derived Growth Factor Receptors, 793
Oxidized Low-Density Lipoprotein Is Associated With Apoptosis of Vascular Smooth Muscle Cells in Human Atherosclerotic Plaques, 2680
Peroxisome Proliferator-Activated Receptor γ Activators Downregulate Angiotensin II Type 1 Receptor in Vascular Smooth Muscle Cells, 1834
Selective Estrogen Receptor Modulator Idoxifene Inhibits Smooth Muscle Cell Proliferation, Enhances Reendothelialization, and Inhibits Neointimal Formation In Vivo After Vascular Injury, III-281
Selective Targeting of Gene Transfer to Vascular Endothelial Cells by Use of Peptides Isolated by Phage Display, 231
Simvastatin Improves Disturbed Endothelial Barrier Function, 2803
Cerebrovascular disorders
New Issues in the Treatment of Isolated Systolic Hypertension, 1079
cGMP
Cyclic Nucleotide Phosphodiesterase Type 5 Activity Limits Blood Flow to Hypoperfused Myocardium During Exercise, 2997
CGS-21680
Myocardial Blood Flow and Myocardial Uptake of ^{201}Tl and ^{99m}Tc-Sestamibi During Coronary Vasodilation Induced by CGS-21680, a Selective Adenosine A_{2A} Receptor Agonist, 438
Chagas' disease
Evidence of *Trypanosoma cruzi* Infection (Chagas' Disease) Among Patients Undergoing Cardiac Surgery, 2978
Chaperonin 60
Serum Soluble Heat Shock Protein 60 Is Elevated in Subjects With Atherosclerosis in a General Population, 14
Chlamydia pneumoniae
Detection of *Chlamydia pneumoniae* DNA in CD3+ Lymphocytes From Healthy Blood Donors and Patients With Coronary Artery Disease, 2341
Endothelial Dysfunction After Repeated *Chlamydia pneumoniae* Infection in Apolipoprotein E-Knockout Mice, 1039
Randomized Secondary Prevention Trial of Azithromycin in Patients With Coronary Artery Disease: Primary Clinical Results of the ACADEMIC Study, 1755
Secondary Prevention Antibiotic Treatment Trials for Coronary Artery Disease, 1742
Cholesterol
AHA Dietary Guidelines: Revision 2000: A Statement for Healthcare Professionals From the Nutrition Committee of the American Heart Association, 2284
Alcohol Consumption Raises HDL Cholesterol Levels by Increasing the Transport Rate of Apolipoproteins A-I and A-II, 2347
Cardiovascular Benefit of Cholesterol-Lowering Therapy: Does Improved Endothelial Vasodilator Function Matter? 820
HDL Cholesterol Level Predicts Survival in Men After Coronary Artery Bypass Graft Surgery: 20-Year Experience From The Cleveland Clinic Foundation, III-90
Long-Term Effects of Cholesterol Lowering and Angiotensin-Converting Enzyme Inhibition on Coronary Atherosclerosis: The

Simvastatin/Enalapril Coronary Atherosclerosis Trial (SCAT), 1748
Three-Dimensional Intravascular Ultrasound Assessment of Noninjured Edges of β-Irradiated Coronary Segments, 1484
VLDL, Apolipoproteins B, CIII, and E, and Risk of Recurrent Coronary Events in the Cholesterol and Recurrent Events (CARE) Trial, 1886

Chromosomes, 8
Deletion of a 5-cM Region at Chromosome 8p23 Is Associated With a Spectrum of Congenital Heart Defects, 432

Chronic venous insufficiency
Investigation of Chronic Venous Insufficiency: A Consensus Statement, e126

Circadian rhythm
Modifications of Cardiac Autonomic Profile Associated With a Shift Schedule of Work, 1912

Circulating immune complexes
Circulating Immune Complexes in 50-Year-Old Men as a Strong and Independent Risk Factor for Myocardial Infarction, 2576

Circulation
Coronary Heart Disease in Smokers: Vitamin C Restores Coronary Microcirculatory Function, 1233
A New Role for P-Selectin in Shear-Induced Platelet Aggregation, 2045
Oral Glycoprotein IIb/IIIa Inhibition With Orbofiban in Patients With Unstable Coronary Syndromes (OPUS-TIMI 16) Trial, 149

Claudication
Oral Beraprost Sodium, a Prostaglandin I_2 Analogue, for Intermittent Claudication: A Double-Blind, Randomized, Multicenter Controlled Trial, 426

Clinical research
Training the Next Generation of Biomedical Researchers: Challenges and Opportunities, 368

Clinical trials
Effects Of Continuous Positive Airway Pressure On Cardiovascular Outcomes In Heart Failure Patients With and Without Cheyne-Stokes Respiration, 61
Folic Acid in Endothelial Function in Familial Hypercholesterolemia: Letter, e92. Response, e92
Magnetic Resonance Angiography of a Pulmonary Artery Stenosis Late After Cardiac Surgery, e71

Coagulation
1α,25-Dihydroxyvitamin D_3 and Its Potent Synthetic Analogs Downregulate Tissue Factor and Upregulate Thrombomodulin Expression in Monocytic Cells, Counteracting the Effects of Tumor Necrosis Factor and Oxidized LDL, 2867
Comparison of Novel Hemostatic Factors and Conventional Risk Factors for Prediction of Coronary Heart Disease, 2816
Endogenous Tissue Factor Pathway Inhibitor Modulates Thrombus Formation in an In Vivo Model of Rabbit Carotid Artery Stenosis and Endothelial Injury, 113
Epidemiological and Genetic Associations of Activated Factor XII Concentration With Factor VII Activity, Fibrinopeptide A Concentration, and Risk of Coronary Heart Disease in Men, 2058
Novel, Bedside, Tissue Factor-Dependent Clotting Assay Permits Improved Assessment of Combination Antithrombotic and Antiplatelet Therapy, 2051

Cocaine
Cocaine-Induced Pneumopericardium, 2792

Collagen
Inhibitory Effect of Angiotensin II Type 2 Receptor on Coronary Arterial Remodeling After Aortic Banding in Mice, 1684
Limitation of Excessive Extracellular Matrix Turnover May Contribute to Survival Benefit of Spironolactone Therapy in Patients With Congestive Heart Failure: Insights From the Randomized Aldactone Evaluation Study (RALES), 2700
Potential Contribution of a Novel Antifibrotic Factor, Hepatocyte Growth Factor, to Prevention of Myocardial Fibrosis by Angiotensin II Blockade in Cardiomyopathic Hamsters, 246
Targeting Pathological Remodeling: Concepts of Cardioprotection and Reparation, 1342

Collateral circulation
Angiogenesis Is Induced in a Rabbit Model of Hindlimb Ischemia by Naked DNA Encoding an HIF-1α/VP16 Hybrid Transcription Factor, 2255
Immediate Changes of Collateral Function After Successful Recanalization of Chronic Total Coronary Occlusions, 2959
Ischemia-Induced Coronary Collateral Growth Is Dependent on Vascular Endothelial Growth Factor and Nitric Oxide, 3098
Spatial Heterogeneity in Fasting and Insulin-Stimulated ^{18}F-2-Deoxyglucose Uptake in Pigs With Hibernating Myocardium, 908
Vascular Endothelial Growth Factor-A-Induced Chemotaxis of Monocytes Is Attenuated in Patients With Diabetes Mellitus: A Potential Predictor for the Individual Capacity to Develop Collaterals, 185

Complications
Late Results of the Warm Heart Trial: The Influence of Nonfatal Cardiac Events on Late Survival, III-339
Severe Airflow Limitation After the Unifocalization Procedure: Clinical and Morphological Correlates, III-142

Computed tomography
Coronary Artery Angiography Using Multislice Computed Tomography Images, 1589
Tricuspid Atresia With Atrial Septal Defect, Ventricular Septal Defect, and Right Ventricular Hypoplasia Demonstrated by Multidetector Computed Tomography, e164

Conduction
Differential Pacing for Distinguishing Block From Persistent Conduction Through an Ablation Line, 1517
Widening of the Excitable Gap During Pharmacological Cardioversion of Atrial Fibrillation in the Goat: Effects of Cibenzoline, Hydroquinidine, Flecainide, and d-Sotalol, 260

Congestive heart failure
Abnormal Breathing During Sleep and Increased Central Chemoreflex Sensitivity in Congestive Heart Failure: Letter, e91. Response, e91
Nitric Oxide Synthesis and Congestive Heart Failure, e37. Response, e37

Contractility
Contractile Adaptations Preserving Cardiac Output Predispose the Hypertrophied Canine Heart to Delayed Afterdepolarization-Dependent Ventricular Arrhythmias, 2145
Endotoxin-Induced Myocardial Tumor Necrosis Factor-α Synthesis Depresses Contractility of Isolated Rat Hearts: Evidence for a Role of Sphingosine and Cyclooxygenase-2-Derived Thromboxane Production, 2758
Myocardial Strain by Doppler Echocardiography: Validation of a New Method to Quantify Regional Myocardial Function, 1158
Reduced Cytosolic Ca^{2+} Loading and Improved Cardiac Function After Cardioplegic Cold Storage of Guinea Pig Isolated Hearts, 1172
Regulation of Cardiac Contraction and Relaxation, IV-69
Single-Beat Estimation of End-Systolic Elastance Using Bilinearly Approximated Time-Varying Elastance Curve, 1983
Tumor Necrosis Factor-α Is Expressed in Donor Heart and Predicts Right Ventricular Failure After Human Heart Transplantation, 326
Vesnarinone Restores Contractility and Calcium Handling in Early Endotoxemia, III-365

Contrast media
Assessment of Myocardial Perfusion by Harmonic Power Doppler Imaging at Rest and During Adenosine Stress: Comparison With ^{99m}Tc-Sestamibi SPECT Imaging, 55
Early Assessment of Myocardial Salvage by Contrast-Enhanced Magnetic Resonance Imaging, 1678
Ischemia-Reperfusion Injury at the Microvascular Level: Treatment by Endothelin A-Selective Antagonist and Evaluation by Myocardial Contrast Echocardiography, 3111

Coronary arteries
Congenital Kinking of the Internal Carotid Artery in Twin Brothers, e173
Coronary Artery Angiography Using Multislice Computed Tomography Images, 1589
Coronary Heart Disease in Smokers: Vitamin C Restores Coronary Microcirculatory Function, 1233
Distal Embolization: A Threat to the Coronary Artery? e95
Failed Sudden Cardiac Death in a Patient With an Anomalous Origin of the Right Coronary Artery, 1461

Helical Velocity Patterns in a Human Coronary Artery: A Three-Dimensional Computational Fluid Dynamic Reconstruction Showing the Relation With Local Wall Thickness, e22

Coronary artery bypass

Contrast-Enhanced Magnetic Resonance Angiogram of Coronary Artery Bypass Graft Aneurysm, 3148

Coronary artery disease

Diastolic Fractional Flow Reserve to Assess the Functional Severity of Moderate Coronary Artery Stenoses: Comparison With Fractional Flow Reserve and Coronary Flow Velocity Reserve, 2365

Coronary circulation

Coronary Artery Flow Velocity Is Related To Lumen Area and Regional Left Ventricular Mass, 48

Coronary devices

Are Patients With Renal Failure Good Candidates for Percutaneous Coronary Revascularization in the New Device Era? 2966

Coronary disease

Acute Systemic Inflammation Impairs Endothelium-Dependent Dilatation in Humans, 994

Alcohol Consumption and Risk of Coronary Heart Disease by Diabetes Status, 500

Alcohol Consumption, Diabetes, and Coronary Disease: An Epidemiological Perspective, 489

American College of Cardiology/American Heart Association Expert Consensus Document on Electron-Beam Computed Tomography for the Diagnosis and Prognosis of Coronary Artery Disease, 126

Anticardiolipin Antibodies and Recurrent Coronary Events: A Prospective Study of 1150 Patients, 1258

Application of the New York State PTCA Mortality Model in Patients Undergoing Stent Implantation, 517

Association of Coronary Heart Disease Risk Factors With Microscopic Qualities of Coronary Atherosclerosis in Youth, 374

Canadian-American Differences in the Management of Acute Coronary Syndromes in the GUSTO IIb Trial: One-Year Follow-Up of Patients Without ST-Segment Elevation, 1375

Cigarette Smoking: How Much Worse Can It Get? 1340

A Classification of Unstable Angina Revisited, 118

Clinical and Therapeutic Profile of Patients Presenting With Acute Coronary Syndromes Who Do Not Have Significant Coronary Artery Disease, 1101

Comparison of Novel Hemostatic Factors and Conventional Risk Factors for Prediction of Coronary Heart Disease, 2816

Complete Arterial Revascularization in Multivessel Coronary Artery Disease With 2 Conduits (Skeletonized Grafts and T Grafts), III-79

Considerable Time From the Onset of Plaque Rupture and/or Thrombi Until the Onset of Acute Myocardial Infarction in Humans: Coronary Angiographic Findings Within 1 Week Before the Onset of Infarction, 2063

Coronary Composition and Macrophage Infiltration in Atherectomy Specimens From Patients With Diabetes Mellitus, 2180

Cytomegalovirus Seropositivity and C-Reactive Protein Have Independent and Combined Predictive Value for Mortality in Patients With Angiographically Demonstrated Coronary Artery Disease, 1917

Demographic, Belief, and Situational Factors Influencing the Decision to Utilize Emergency Medical Services Among Chest Pain Patients, 173

Depressive Symptoms and Risks of Coronary Heart Disease and Mortality in Elderly Americans, 1773

Does Cardioplegia Type Affect Outcome and Survival in Patients With Advanced Left Ventricular Dysfunction? Results From the CABG Patch Trial, III-84

Effect of Cholesterol-Lowering Therapy on Coronary Endothelial Vasomotor Function in Patients With Coronary Artery Disease, 846

Effect of Plasma Homocysteine Concentration on Early and Late Events in Patients With Acute Coronary Syndromes, 605

Effect of Pravastatin on Coronary Disease Events in Subgroups Defined by Coronary Risk Factors: The Prospective Pravastatin Pooling Project, 1893

Effects of a Residential Exercise Training on Baroreflex Sensitivity and Heart Rate Variability in Patients With Coronary Artery Disease: A Randomized, Controlled Study, 2588

Effects of Sildenafil Citrate (Viagra) Combined With Nitrate on the Heart, 2516

Elevated C-Reactive Protein Levels and Impaired Endothelial Vasoreactivity in Patients With Coronary Artery Disease, 1000

Emergency Polytetrafluoroethylene-Covered Stent Implantation to Treat Coronary Ruptures, 3028

Enhanced Efficacy of Eptifibatide Administration in Patients With Acute Coronary Syndrome Requiring In-Hospital Coronary Artery Bypass Grafting, 2952

Epidemiological and Genetic Associations of Activated Factor XII Concentration With Factor VII Activity, Fibrinopeptide A Concentration, and Risk of Coronary Heart Disease in Men, 2058

Evidence for Oxidative Activation of c-Myc-Dependent Nuclear Signaling in Human Coronary Smooth Muscle Cells and in Early Lesions of Watanabe Heritable Hyperlipidemic Rabbits: Protective Effects of Vitamin E, 2111

Ex Vivo Antisense Oligonucleotides to Proliferating Cell Nuclear Antigen and Cdc2 Kinase Inhibit Graft Coronary Artery Disease, III-237

Explanation for the Decline in Coronary Heart Disease Mortality Rates in Auckland New Zealand Between 1982 and 1993, 1511

Feasibility of a Novel Blood Noise Reduction Algorithm to Enhance Reproducibility of Ultra-High-Frequency Intravascular Ultrasound Images, 1657

Final Results of the Can Routine Ultrasound Influence Stent Expansion (CRUISE) Study, 523

Folic Acid in Endothelial Function in Familial Hypercholesterolemia: Letter, e92, Response, e92

Genome-Wide Linkage Analysis of Systolic and Diastolic Blood Pressure: The Québec Family Study, 1956

Hypertriglyceridemic Waist: A Marker of the Atherogenic Metabolic Triad (Hyperinsulinemia, Hyperapolipoprotein B, Small, Dense LDL) in Men? 179

Inadequate Response to Treatment in Coronary Heart Disease: Adverse Effects of Type D Personality and Younger Age on 5-Year Prognosis and Quality of Life, 630

Independent Prognostic Value of Cardiac Troponin T in Patients With Confirmed Pulmonary Embolism, 211

Inhibition of Restenosis With β-Emitting Radiotherapy: Report of the Proliferation Reduction With Vascular Energy Trial (PREVENT), 951

Initial and 6-Month Results of Biodegradable Poly-*l*-Lactic Acid Coronary Stents in Humans, 399

Insertion-Deletion Polymorphism of the ACE Gene Modulates Reversibility of Endothelial Dysfunction With ACE Inhibition, 35

Interventional Treatment of Coronary Heart Disease and Peripheral Vascular Disease, IV-81

It's Time for a Change to a Troponin Standard, 1216

Left Ventricular Electromechanical Mapping to Assess Efficacy of phVEGF$_{165}$ Gene Transfer for Therapeutic Angiogenesis in Chronic Myocardial Ischemia, 965

Lipoprotein(a) and Coronary Heart Disease: Meta-Analysis of Prospective Studies, 1082

Long-Term Effects of Cholesterol Lowering and Angiotensin-Converting Enzyme Inhibition on Coronary Atherosclerosis: The Simvastatin/Enalapril Coronary Atherosclerosis Trial (SCAT), 1748

Low Heart Rate Variability in a 2-Minute Rhythm Strip Predicts Risk of Coronary Heart Disease and Mortality From Several Causes: The ARIC Study, 1239

Magnetic Resonance Angiography of a Pulmonary Artery Stenosis Late After Cardiac Surgery, e71

Moderate Alcohol Consumption and Risk of Coronary Heart Disease Among Women With Type 2 Diabetes Mellitus: Editorial, 487

Moderate Alcohol Consumption and Risk of Coronary Heart Disease Among Women With Type 2 Diabetes Mellitus, 494

Myocardial Blood Flow and Myocardial Uptake of ^{201}Tl and ^{99m}Tc-Sestamibi During Coronary Vasodilation Induced by CGS-21680, a Selective Adenosine A_{2A} Receptor Agonist, 438

Noninvasive Coronary Angiography by Retrospectively ECG-Gated Multislice Spiral CT, 2823

Noninvasive in Vivo Human Coronary Artery Lumen and Wall Imaging Using Black-Blood Magnetic Resonance Imaging, 506

One-Year Clinical Outcome After Minimally Invasive Direct Coronary Artery Bypass, 2799

Oral Glycoprotein IIb/IIIa Inhibition With Orbofiban in Patients With Unstable Coronary Syndromes (OPUS-TIMI 16) Trial, 149
Oral Magnesium Therapy Improves Endothelial Function in Patients With Coronary Artery Disease, 2353
Percutaneous Coronary Intervention in the Current Era Compared With 1985-1986: The National Heart, Lung, and Blood Institute Registries, 2945
Percutaneous Coronary Intervention in the Current Era Compared With 1985-1986: The National Heart, Lung, and Blood Institute Registries, 2945
Peripheral Arterial Disease in Randomized Trial of Estrogen With Progestin in Women With Coronary Heart Disease: The Heart and Estrogen/Progestin Replacement Study, 2228
Physical Activity and Coronary Heart Disease in Men: The Harvard Alumni Health Study, 975
Physical Activity and Coronary Heart Disease Risk in Men: Does the Duration of Exercise Episodes Predict Risk? 981
Physical Activity and Mortality in Older Men With Diagnosed Coronary Heart Disease, 1358
Plasma Homocysteine Predicts Mortality Independently of Traditional Risk Factors and C-Reactive Protein in Patients With Angiographically Defined Coronary Artery Disease, 1227
Platelet PI^{A2} Allele and Incidence of Coronary Heart Disease: Results From the Atherosclerosis Risk In Communities (ARIC) Study, 1901
Postexercise Ischemia Is Associated With Increased Neuropeptide Y in Patients With Coronary Artery Disease, 987
Predictors of Atrial Fibrillation After Conventional and Beating Heart Coronary Surgery: A Prospective, Randomized Study, 1530
Probabilistic Model for Prediction of Angiographically Defined Obstructive Coronary Artery Disease Using Electron Beam Computed Tomography Calcium Score Strata, 380
Randomized Secondary Prevention Trial of Azithromycin in Patients With Coronary Artery Disease: Primary Clinical Results of the ACADEMIC Study, 1755
Reduction of Vein Graft Disease Using Photodynamic Therapy with Motexafin Lutetium in a Rodent Isograft Model, III-275
Safety and Utility of Exercise Testing in Emergency Room Chest Pain Centers: An Advisory From the Committee on Exercise, Rehabilitation, and Prevention, Council on Clinical Cardiology, American Heart Association, 1463
Secondary Prevention Antibiotic Treatment Trials for Coronary Artery Disease, 1742
Systemic Inflammatory Response in Cardiac Allograft Vasculopathy: High-Sensitive C-Reactive Protein Is Associated With Progressive Luminal Obstruction, III-233
TIMI Risk Score for ST-Elevation Myocardial Infarction: A Convenient, Bedside, Clinical Score for Risk Assessment at Presentation: An Intravenous nPA for Treatment of Infarcting Myocardium Early II Trial Substudy, 2031
Ultrasound-Guided Strategy for Provisional Stenting With Focal Balloon Combination Catheter: Results From the Randomized Strategy for Intracoronary Ultrasound-Guided PTCA and Stenting (SIPS) Trial, 2497
Value of Serum-Soluble Intercellular Adhesion Molecule-1 for the Noninvasive Risk Assessment of Transplant Coronary Artery Disease, Posttransplant Ischemic Events, and Cardiac Graft Failure, 1549
VEGF Gene Delivery to Myocardium: Deleterious Effects of Unregulated Expression, 898
VLDL, Apolipoproteins B, CIII, and E, and Risk of Recurrent Coronary Events in the Cholesterol and Recurrent Events (CARE) Trial, 1886

Coronary heart disease
Chlamydia pneumoniae, Herpes Simplex Virus Type 1, and Cytomegalovirus and Incident Myocardial Infarction and Coronary Heart Disease Death in Older Adults: The Cardiovascular Health Study, 2335

Coronary syndromes
Progress in the Treatment of Acute Coronary Syndromes: A 50-Year Perspective (1950-2000), IV-2

Cost-benefit analysis
Quality of Life After Aortic Valve Replacement at the Age of >80 Years, III-70
Randomized Comparison of Primary Stenting and Provisional Balloon Angioplasty Guided by Flow Velocity Measurement, 2930
Targeting Patients Undergoing Angioplasty for Thrombus Inhibition: A Cost-Effectiveness and Decision Support Model, 392

Creatine kinase
Acute and Delayed Benefits of β-Blockers During Coronary Intervention: True, True and Unrelated, 147
Cardioprotective Effect of Prior β-Blocker Therapy in Reducing Creatine Kinase-MB Elevation After Coronary Intervention: Benefit Is Extended to Improvement in Intermediate-Term Survival, 166
Heart Failure Affects Mitochondrial but Not Myofibrillar Intrinsic Properties of Skeletal Muscle, 1847

Crohn's disease
Granulomatous Aortitis Presenting as an Acute Myocardial Infarction in Crohn's Disease, 3023

Cyclic GMP
Nitric Oxide Provokes Tumor Necrosis Factor-α Expression in Adult Feline Myocardium Through a cGMP-Dependent Pathway, 1302

Cyclooxygenase
Cyclooxygenase-1 and -2-Dependent Prostacyclin Formation in Patients With Atherosclerosis, 840

Cytokines
Cardiac-Specific Overexpression of Tumor Necrosis Factor-α Causes Oxidative Stress and Contractile Dysfunction in Mouse Diaphragm, 1690

Cytoskeleton
Participation of Tyrosine Phosphorylation in Cytoskeletal Reorganization, $\alpha_{IIb}\beta_3$ Integrin Receptor Activation, and Aspirin-Insensitive Mechanisms of Thrombin-Stimulated Human Platelets, 1924

D

Death, sudden
Acute Coronary Findings at Autopsy in Heart Failure Patients With Sudden Death: Results From the Assessment of Treatment With Lisinopril and Survival (ATLAS) Trial, 611
Analysis of 12-Lead T-Wave Morphology for Risk Stratification After Myocardial Infarction, 1252
Effect of Second-Phase Duration on the Strength-Duration Relation for Human Transvenous Defibrillation, 2239
Electrophysiological Deterioration During Long-Duration Ventricular Fibrillation, 2886
Epidemiology of Hypertrophic Cardiomyopathy-Related Death: Revisited in a Large Non-Referral-Based Patient Population, 858
Ischemic Inactivation of G Protein-Coupled Receptor Kinase and Altered Desensitization of Canine Cardiac β-Adrenergic Receptors, 2535
Spectrum of Mutations in Long-QT Syndrome Genes: *KVLQT1*, *HERG*, *SCN5A*, *KCNE1*, and *KCNE2*, 1178
Sudden Cardiac Death With Apparently Normal Heart, 649
Sudden Death and Cardiovascular Collapse in Children With Restrictive Cardiomyopathy, 876
What Have We Learned About Cardiac Arrhythmias? IV-52

Defects
Pediatric Cardiology and Cardiovascular Surgery: 1950-2000, IV-58

Defibrillation
Effect of Second-Phase Duration on the Strength-Duration Relation for Human Transvenous Defibrillation, 2239
Electrophysiological Deterioration During Long-Duration Ventricular Fibrillation, 2886
Initial Clinical Experience With Ambulatory Use of an Implantable Atrial Defibrillator for Conversion of Atrial Fibrillation, 1407
Multicenter, Randomized, Controlled Trial of 150-J Biphasic Shocks Compared With 200- to 360-J Monophasic Shocks in the Resuscitation of Out-of-Hospital Cardiac Arrest Victims, 1780
Predicting Outcome of Defibrillation by Spectral Characterization and Nonparametric Classification of Ventricular Fibrillation in Patients With Out-of-Hospital Cardiac Arrest, 1523
Randomized Comparison of Antiarrhythmic Drug Therapy With Implantable Defibrillators in Patients Resuscitated From Cardiac Arrest: The Cardiac Arrest Study Hamburg (CASH), 748
Reduction of Atrial Defibrillation Threshold With an Interatrial Septal Electrode, 2659

Defibrillator
Comparison of Naïve Sixth-Grade Children With Trained Professionals in the Use of an Automated External Defibrillator: Letter, e166
Depression
Depressive Symptoms and Risks of Coronary Heart Disease and Mortality in Elderly Americans, 1773
Inadequate Response to Treatment in Coronary Heart Disease: Adverse Effects of Type D Personality and Younger Age on 5-Year Prognosis and Quality of Life, 630
Diabetes mellitus
AHA Dietary Guidelines: Revision 2000: A Statement for Healthcare Professionals From the Nutrition Committee of the American Heart Association, 2284
Alcohol Consumption and Risk of Coronary Heart Disease by Diabetes Status, 500
Alcohol Consumption, Diabetes, and Coronary Disease: An Epidemiological Perspective, 489
Coronary Composition and Macrophage Infiltration in Atherectomy Specimens From Patients With Diabetes Mellitus, 2180
Cost-Effectiveness of Treating Hyperlipidemia in the Presence of Diabetes: Who Should Be Treated? 722
Glycoprotein IIb/IIIa Receptor Blockade Improves Outcomes in Diabetic Patients Presenting With Unstable Angina/Non-ST-Elevation Myocardial Infarction: Results From the Platelet Receptor Inhibition in Ischemic Syndrome Management in Patients, 2466
Impact of Diabetes on Long-Term Prognosis in Patients With Unstable Angina and Non-Q-Wave Myocardial Infarction: Results of the OASIS (Organization to Assess Strategies for Ischemic Syndromes) Registry, 1014
Low-Density Lipoprotein Postsecretory Modification, Monocyte Function, and Circulating Adhesion Molecules in Type 2 Diabetic Patients With and Without Macrovascular Complications: The Effect of α-Tocopherol Supplementation, 191
Mental Stress Induces Transient Endothelial Dysfunction in Humans, 2473
Moderate Alcohol Consumption and Risk of Coronary Heart Disease Among Women With Type 2 Diabetes Mellitus: Editorial, 494
Moderate Alcohol Consumption and Risk of Coronary Heart Disease Among Women With Type 2 Diabetes Mellitus, 487
Peripheral Vascular Disease, IV-46
Vascular Endothelial Growth Factor-A-Induced Chemotaxis of Monocytes Is Attenuated in Patients With Diabetes Mellitus: A Potential Predictor for the Individual Capacity to Develop Collaterals, 185
Diagnosis
ACC/AHA Guidelines for the Management of Patients With Unstable Angina and Non-ST-Segment Elevation Myocardial Infarction: Executive Summary and Recommendations: A Report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Committee on the Management of Patients with Unstable Angina), 1193
American College of Cardiology/American Heart Association Expert Consensus Document on Electron-Beam Computed Tomography for the Diagnosis and Prognosis of Coronary Artery Disease, 126
Extensive Troponin I and T Modification Detected in Serum From Patients With Acute Myocardial Infarction, 1221
Recommendations for the Management of Patients With Unruptured Intracranial Aneurysms: A Statement for Healthcare Professionals From the Stroke Council of the American Heart Association, 2300
Diastole
Clinical Utility of Doppler Echocardiography and Tissue Doppler Imaging in the Estimation of Left Ventricular Filling Pressures: A Comparative Simultaneous Doppler-Catheterization Study, 1788
Diastolic Biomechanics in Normal Infants Utilizing MRI Tissue Tagging, 218
Lack of Direct Role for Calcium in Ischemic Diastolic Dysfunction in Isolated Hearts, 2643
Lisinopril-Mediated Regression of Myocardial Fibrosis in Patients With Hypertensive Heart Disease, 1388
Minimally Invasive Evaluation of Coronary Microvascular Function by Electron Beam Computed Tomography, 2411
Diet
AHA Dietary Guidelines: Revision 2000: A Statement for Healthcare Professionals From the Nutrition Committee of the American Heart Association, 2284
Core Components of Cardiac Rehabilitation/Secondary Prevention Programs: A Statement for Healthcare Professionals From the American Heart Association and the American Association of Cardiovascular and Pulmonary Rehabilitation, 1069
Soy Protein and Cardiovascular Disease: A Statement for Healthcare Professionals From the Nutrition Committee of the AHA, 2555
Three-Dimensional Intravascular Ultrasound Assessment of Noninjured Edges of β-Irradiated Coronary Segments, 1484
Digoxin
Effects of Digoxin on Acute, Atrial Fibrillation-Induced Changes in Atrial Refractoriness, 2503
Dilatation
Improvement of Endothelial Function by Chronic Angiotensin-Converting Enzyme Inhibition in Heart Failure: Role of Nitric Oxide, Prostanoids, Oxidant Stress, and Bradykinin, 351
Diversity
Training the Next Generation of Biomedical Researchers: Challenges and Opportunities, 368
Dobutamine
Altered Adrenergic Receptor Density in Myocardial Hibernation in Humans: A Possible Mechanism of Depressed Myocardial Function, 2599
Dofetilide
Contrasting Efficacy of Dofetilide in Differing Experimental Models of Atrial Fibrillation, 104
Dofetilide, 2665
Domperidone
Domperidone Should Not Be Considered a No-Risk Alternative to Cisapride in the Treatment of Gastrointestinal Motility Disorders, 1883
Doxorubicin hydrochloride
Fas-Mediated Apoptosis in Adriamycin-Induced Cardiomyopathy in Rats: In Vivo Study, 572
Drug tolerance
Nitroglycerin Tolerance in Human Vessels: Evidence for Impaired Nitroglycerin Bioconversion, 2810
Drug toxicity
Trastuzumab in the Treatment of Metastatic Breast Cancer: Anticancer Therapy Versus Cardiotoxicity, 272
Drugs
Effect of Pravastatin on Coronary Disease Events in Subgroups Defined by Coronary Risk Factors: The Prospective Pravastatin Pooling Project, 1893
Effects of Dopamine β-Hydroxylase Inhibition With Nepicastat on the Progression of Left Ventricular Dysfunction and Remodeling in Dogs With Chronic Heart Failure, 1990
The Elusive Link Between LQT3 and Brugada Syndrome: The Role of Flecainide Challenge, 945
Explanation for the Decline in Coronary Heart Disease Mortality Rates in Auckland New Zealand Between 1982 and 1993, 1511
Genetics of Hypertension, Target-Organ Complications, and Response to Therapy, IV-40
Reverse Remodeling of Cardiac Myocyte Hypertrophy in Hypertension and Failure by Targeting of the Renin-Angiotensin System, 253
Widening of the Excitable Gap During Pharmacological Cardioversion of Atrial Fibrillation in the Goat: Effects of Cibenzoline, Hydroquinidine, Flecainide, and d-Sotalol, 260
Dyspnea
Dual SPECT Imaging of Löffler's Endomyocarditis in the Acute Phase, 2019

E

Echocardiogram
Ventricular Tachycardia: A Complication of an Intramyocardial Echinococcal Cyst, 123
Echocardiography
Abnormal Pulmonary Artery Pressure Response in Asymptomatic Carriers of Primary Pulmonary Hypertension Gene, 1145

Altered Adrenergic Receptor Density in Myocardial Hibernation in Humans: A Possible Mechanism of Depressed Myocardial Function, 2599
Assessment of Coronary Stenosis Severity and Transmural Perfusion Gradient by Myocardial Contrast Echocardiography: Comparison of Gray-Scale B-Mode With Power Doppler Imaging, 1427
Assessment of Myocardial Perfusion by Harmonic Power Doppler Imaging at Rest and During Adenosine Stress: Comparison With ^{99m}Tc-Sestamibi SPECT Imaging, 55
Assessment of Severity of Aortic Regurgitation Using the Width of the Vena Contracta: A Clinical Color Doppler Imaging Study, 558
Clinical Significance of Abnormal Electrocardiographic Patterns in Trained Athletes, 278
Clinical Utility of Doppler Echocardiography and Tissue Doppler Imaging in the Estimation of Left Ventricular Filling Pressures: A Comparative Simultaneous Doppler-Catheterization Study, 1788
Congenital Deficiency of Nitric Oxide Synthase 2 Protects Against Endotoxin-Induced Myocardial Dysfunction in Mice, 1440
Determinants of the Degree of Functional Mitral Regurgitation in Patients With Systolic Left Ventricular Dysfunction: A Quantitative Clinical Study, 1400
Disappearance of Aortic Intramural Hematoma and Its Significance to the Prognosis, III-243
Echocardiographic Characterization of Cardiomyopathy in Friedreich's Ataxia With Tissue Doppler Echocardiographically Derived Myocardial Velocity Gradients, 1276
Impact of Atrioventricular Compliance on Pulmonary Artery Pressure in Mitral Stenosis: An Exercise Echocardiographic Study, 2378
Independent Association of High Blood Pressure and Aortic Atherosclerosis: A Population-Based Study, 2087
Midterm Echocardiographic Follow-Up After Ross Operation, III-10
Myocardial Strain by Doppler Echocardiography: Validation of a New Method to Quantify Regional Myocardial Function, 1158
Noninvasive Ultrasound Imaging of Inflammation Using Microbubbles Targeted to Activated Leukocytes, 2745
The Power-Velocity Integral at the Vena Contracta: A New Method for Direct Quantification of Regurgitant Volume Flow, 1053
Prospectively Randomized Comparison of Different Mechanical Aortic Valves, III-1
Pulsatile Flow in Patients With a Novel Nonpulsatile Implantable Ventricular Assist Device, III-183
Real-Time Three-Dimensional Echocardiographic Study of Left Ventricular Function After Infarct Exclusion Surgery for Ischemic Cardiomyopathy, III-101
Tissue Doppler Imaging Consistently Detects Myocardial Contraction and Relaxation Abnormalities, Irrespective of Cardiac Hypertrophy, in a Transgenic Rabbit Model of Human Hypertrophic Cardiomyopathy, 1346

Edema
Congestive Heart Failure: Fifty Years of Progress, IV-14

Editorials
Acute and Delayed Benefits of β-Blockers During Coronary Intervention: True, True and Unrelated, 147
Alcohol Consumption, Diabetes, and Coronary Disease: An Epidemiological Perspective, 489
Alcohol Septal Ablation in Hypertrophic Obstructive Cardiomyopathy: The Need for a Registry, 600
Aspirin and Salicylate: An Old Remedy With a New Twist, 2022
Biodegradable Stents: "Fulfilling the Mission and Stepping Away", 371
Cardiovascular Benefit of Cholesterol-Lowering Therapy: Does Improved Endothelial Vasodilator Function Matter? 820
Chips Ahoy: Gene Expression in Failing Hearts Surveyed by High-Density Microarrays, 3026
Cigarette Smoking: How Much Worse Can It Get? 1340
Effect of Exercise on Arterial Compliance, 1214
Fulfilling the Promise of Percutaneous Angioplasty, 2674
Gaps In Quality of Cardiovascular Care Transcend Social Bias, 943
Genetic Differences in Endothelial Cells May Determine Atherosclerosis Susceptibility, 5
It's Time for a Change to a Troponin Standard, 1216
Matrix Matters, 1874
Moderate Alcohol Consumption and Risk of Coronary Heart Disease Among Women With Type 2 Diabetes Mellitus, 487
New Issues in the Treatment of Isolated Systolic Hypertension, 1079
Nitric Oxide and Viral Cardiomyopathy, 2162
Peeking Under the Peaks: Following Up Genome-Wide Linkage Analyses, 1877
Postscripts From the Post Coronary Artery Bypass Graft Trial: The Sustained Benefit of More Aggressive Cholesterol Lowering and the Enigma of Low-Dose Anticoagulation, 144
Predicting the Long-QT Genotype From Clinical Data: From Sense to Science, 2796
Progress in Heart Failure Management? Lessons from the Real World, 1076
Provisional Versus Routine Stenting: Routine Stenting Is Here To Stay, 2910
Revisiting the Question: Will Relaxing Safe Current Limits for Electromedical Equipment Increase Hazards to Patients? 823
Secondary Prevention Antibiotic Treatment Trials for Coronary Artery Disease, 1742
Secondary Prevention of Coronary Heart Disease: The Role of Fibric Acids, 2
Sex and Outcome After Myocardial Infarction: A Case of Sexual Politics? 2458
Targeting Pathological Remodeling: Concepts of Cardioprotection and Reparation, 1342
Therapeutic Myocardial Angiogenesis Via Vascular Endothelial Growth Factor Gene Therapy: Moving on Down the Road, 940
Training the Next Generation of Biomedical Researchers: Challenges and Opportunities, 368
What Type of β-Blocker Should Be Used to Treat Chronic Heart Failure? 484

Education
Quo Vadis? How Should We Train Cardiologists at the Turn of the Century? 932

Elafin
Gene Transfer of the Serine Elastase Inhibitor Elafin Protects Against Vein Graft Degeneration, III-289

Elasticity
Aging, Habitual Exercise, and Dynamic Arterial Compliance, 1270
Characterization of Plaque Components With Intravascular Ultrasound Elastography in Human Femoral and Coronary Arteries In Vitro, 617
Impaired Endothelial Function and Increased Carotid Stiffness in 9-Year-Old Children With Low Birthweight, 2739
Single-Beat Estimation of End-Systolic Elastance Using Bilinearly Approximated Time-Varying Elastance Curve, 1983

Electrical stimulation
Mechanisms of Ventricular Fibrillation Induction by 60-Hz Alternating Current in Isolated Swine Right Ventricle, 1569
Revisiting the Question: Will Relaxing Safe Current Limits for Electromedical Equipment Increase Hazards to Patients? 823

Electrocardiography
Analysis of 12-Lead T-Wave Morphology for Risk Stratification After Myocardial Infarction, 1252
Clinical Significance of Abnormal Electrocardiographic Patterns in Trained Athletes, 278
Effects of Biatrial Pacing in Prevention of Postoperative Atrial Fibrillation After Coronary Artery Bypass Surgery, 755
Estimates of Repolarization Dispersion From Electrocardiographic Measurements, 685
A Noninvasive Imaging Modality for Cardiac Arrhythmias, 2152
Revisiting the Question: Will Relaxing Safe Current Limits for Electromedical Equipment Increase Hazards to Patients? 823
Spectrum of ST-T-Wave Patterns and Repolarization Parameters in Congenital Long-QT Syndrome: ECG Findings Identify Genotypes, 2849

Electron beam angiography
Visualization of Automatic Implantable Cardioverter-Defibrillator Patches Using Electron Beam Angiography, e103

Electronic pages
Acute Platelet Inhibition With Abciximab Does Not Reduce In-Stent Restenosis: Letter, e110, Response, e110
Are All β-Blockers for Heart Failure the Same? Letter, e41, Response, e41
C-Reactive Protein and Hormone Replacement Therapy: Letter, e96, Response, e96
C-Reactive Protein as a Clinical Marker of Risk: Letter, e63, Response, e63

Chymase-Dependent Angiotensin II Formation in Human Vascular Tissue: Letter, e32, Response, e32
Collagen and Transforming Growth Factor-β in Dilated Cardiomyopathy: Letter, e66, Response, e66
Concomitant Endovascular Repair of Descending Thoracic and Abdominal Aortic Aneurysm, e36
Coronary Calcium Does Not Accurately Predict Near-Term Future Coronary Events in High-Risk Adults: Letter, e20, Response, e20
Decreased Apoptosis and Tissue Factor Expression After Lipid Lowering: Letter, e99, Response, e99
Diagnostic Marker Cooperative Study for the Diagnosis of Myocardial Infarction, e40
Dilated Cardiomyopathy and the Desmin Gene: Letter, e100, Response, e100
Distal Embolization: A Threat to the Coronary Artery? e95
Double Aortic Arch, e93
Effects of Acute Angiotensin II Type 1 Receptor Antagonism and Angiotensin Converting Enzyme Inhibition on Plasma Fibrinolytic Parameters in Patients With Heart Failure: Letter, e43, Response, e43
Effects of Walking on Coronary Heart Disease in Elderly Men: Letter, e16
Frequency of Atrial Septal Aneurysm in Patients With Cerebral Ischemic Events: Letter, e27
Helical Velocity Patterns in a Human Coronary Artery: A Three-Dimensional Computational Fluid Dynamic Reconstruction Showing the Relation With Local Wall Thickness, e22
Improved Regional Wall Motion 6 Months After Direct Myocardial Revascularization (DMR) With the NOGA DMR System, e44
Is the Corrected TIMI Frame Count an Independent Predictor of Adverse Outcome? Letter, e19, Response, e19
Late Results of Percutaneous Balloon Mitral Valvuloplasty: The Chinese Experience: Letter, e18, Response, e18
Left Ventricular Electromechanical Mapping in Stunned Myocardium, e25
Left Ventricular Performance in Ischemic Right Ventricular Dysfunction: Letter, e107
Malignant T-Wave Alternans, e46
Meeting Highlights: Highlights of the 49th Scientific Sessions of the American College of Cardiology, e53
Message From China, e67
Mitral Valve Aneurysm in Endocarditis: Letter, e102, Response, e102
Nitric Oxide Synthesis and Congestive Heart Failure: Letter, e37, Response, e37
Positive Remodeling, Regression of In-Stent Neointimal Hyperplasia, and Late Stent Malapposition in the Absence of Brachytherapy, e111
Prevalence of Myocardial Viability as Detected by Positron Emission Tomography in Patients With Ischemic Cardiomyopathy: Letter, e31, Response, e31
Ranking of Surgical Performance: Letter, e61, Response, e61
Relationship Between Delay in Performing Direct Coronary Angioplasty and Early Clinical Outcome in Patients With Acute Myocardial Infarction: Letter, e29, Response, e29
Right Ventricular Myxoma Obstructing the Right Ventricular Outflow Tract, e14
Risk of Cocaine-Induced Myocardial Infarction During Sport: Letter, e17
Scared to Death: Letter, e98
Scientific Conference on Preventive Nutrition: Letter, e28
sFH-1, a Potential Antagonist for Exogenous VEGF: Letter, e108, Response, e108
Simple Index for Prediction of Cardiac Risk in Stable Patients Undergoing Nonurgent Major Noncardiac Surgery: What About the More Severely Compromised Patients? Letter, e106, Response, e106
Three-Dimensional Phlebography of the Saphenous Venous System, e33
Tissue Inhibition of Angiotensin-Converting Enzyme Activity Stimulates Angiogenesis In Vivo: A Potential Downside, e39
Type IIIC Gaucher's Disease, e69
Ultrasound Finding of a Mobile Atheroma in the Common Carotid Artery, e105
Use of Targeted Anticytokine Treatments in Heart Failure: Letter, e65
Visualization of Automatic Implantable Cardioverter-Defibrillator Patches Using Electron Beam Angiography, e103
Wide-Complex Tachycardia, e52

Electrophysiology
American College of Cardiology/American Heart Association Clinical Competence Statement on Invasive Electrophysiology Studies, Catheter Ablation, and Cardioversion: A Report of the American College of Cardiology/American Heart Association/American College of Physicians--American Society of Internal Medicine Task Force on Clinical Competence, 2309
Anisotropic Reentry in a Perfused 2-Dimensional Layer of Rabbit Ventricular Myocardium, 2650
Catheter Ablation of Cardiac Autonomic Nerves for Prevention of Vagal Atrial Fibrillation, 2774
Contractile Adaptations Preserving Cardiac Output Predispose the Hypertrophied Canine Heart to Delayed Afterdepolarization-Dependent Ventricular Arrhythmias, 2145
Difference in Endothelium-Derived Hyperpolarizing Factor-Mediated Hyperpolarization and Nitric Oxide Release Between Human Internal Mammary Artery and Saphenous Vein, III-296
Electromagnetic Versus Fluoroscopic Mapping of the Inferior Isthmus for Ablation of Typical Atrial Flutter: A Prospective Randomized Study, 2082
Electrophysiological Deterioration During Long-Duration Ventricular Fibrillation, 2886
Mechanisms of Ventricular Fibrillation Induction by 60-Hz Alternating Current in Isolated Swine Right Ventricle, 1569
Molecular Pharmacology of the Sodium Channel Mutation D1790G Linked to the Long-QT Syndrome, 921
Recognition of Left Atrial Aneurysm by Fetal Echocardiography, 2282
Reduction of Atrial Defibrillation Threshold With an Interatrial Septal Electrode, 2659
Usefulness of Unipolar Electrograms to Detect Isthmus Block After Radiofrequency Ablation of Typical Atrial Flutter, 3080
What Have We Learned About Cardiac Arrhythmias? IV-52

Embolism
Acute Pulmonary Embolism, 2441
Catalytic Life of Activated Factor XIII in Thrombi: Implications for Fibrinolytic Resistance and Thrombus Aging, 1151
Independent Prognostic Value of Cardiac Troponin T in Patients With Confirmed Pulmonary Embolism, 211
Monitoring Embolism in Real Time, 826

End-organ dysfunction
Endotoxin-Induced Mortality Is Related to Increased Oxidative Stress and End-Organ Dysfunction, Not Refractory Hypotension, in Heme Oxygenase-1-Deficient Mice, 3015

Endocarditis
Resolution of Nonbacterial Endocarditis After Surgical Resection of a Malignant Liver Tumor, 2671
Risk Factors for Infective Endocarditis: Oral Hygiene and Nondental Exposures, 2842

Endomyocarditis
Dual SPECT Imaging of Löffler's Endomyocarditis in the Acute Phase, 2019

Endothelial growth factors
Vascular Endothelial Growth Factor-A-Induced Chemotaxis of Monocytes Is Attenuated in Patients With Diabetes Mellitus: A Potential Predictor for the Individual Capacity to Develop Collaterals, 185

Endothelin
Acute Endothelin-A Receptor Antagonism Prevents Normal Reduction of Myocardial Ischemia on Repeated Balloon Inflations During Angioplasty, 1937
Cardiac Endothelin System Impairs Left Ventricular Function in Renin-Dependent Hypertension via Decreased Sarcoplasmic Reticulum Ca^{2+} Uptake, 1582
Congestive Heart Failure: Fifty Years of Progress, IV-14
Deloading of the Left Ventricle by Ventricular Assist Device Normalizes Increased Expression of Endothelin ET_A Receptors But Not Endothelin-Converting Enzyme-1 in Patients With End-Stage Heart Failure, III-188
Effects of Combined Angiotensin II and Endothelin Receptor Blockade With Developing Heart Failure: Effects on Left Ventricular Performance, 1447

Effects of Estrogen Replacement on Infarct Size, Cardiac Remodeling, and the Endothelin System After Myocardial Infarction in Ovariectomized Rats, 2983
Endothelial Activation in Patients With Cardiac Syndrome X, 2359
Exaggerated Vascular and Renal Pathology in Endothelin-B Receptor-Deficient Rats With Deoxycorticosterone Acetate-Salt Hypertension, 2765
Hemodynamic Effects of Bosentan, an Endothelin Receptor Antagonist, in Patients With Pulmonary Hypertension, 411
Ischemia-Reperfusion Injury at the Microvascular Level: Treatment by Endothelin A-Selective Antagonist and Evaluation by Myocardial Contrast Echocardiography, 3111
Mechanical Unloading Versus Neurohumoral Stimulation on Myocardial Structure and Endocrine Function In Vivo, 338
Primary Pulmonary Hypertension: A Vascular Biology and Translational Research "Work in Progress", 2781
Pulmonary Release and Coronary and Peripheral Consumption of Big Endothelin and Endothelin-1 in Severe Heart Failure: Acute Effects of Vasodilator Therapy, 1132
Secondary Pulmonary Hypertension in Chronic Heart Failure: The Role of the Endothelium in Pathophysiology and Management, 1718
Selective Endothelin-A Versus Combined Endothelin-A/Endothelin-B Receptor Blockade in Rat Chronic Heart Failure, 491
Tissue Endothelin-Converting Enzyme Activity Correlates With Cardiovascular Risk Factors in Coronary Artery Disease, 1086

Endothelin-1

17β-Estradiol Decreases Endothelin-1 Levels in the Coronary Circulation of Postmenopausal Women With Coronary Artery Disease, 1617

Endothelium

17β-Estradiol Decreases Endothelin-1 Levels in the Coronary Circulation of Postmenopausal Women With Coronary Artery Disease, 1617
Acute Systemic Inflammation Impairs Endothelium-Dependent Dilatation in Humans, 994
Adiponectin, an Adipocyte-Derived Plasma Protein, Inhibits Endothelial NF-κB Signaling Through a cAMP-Dependent Pathway, 1296
Alterations in Endogenous Nitric Oxide Production After Cardiopulmonary Bypass in Lambs With Normal and Increased Pulmonary Blood Flow, III-172
Angiotensin-Converting Enzyme Insertion/Deletion Polymorphism Modulates the Human In Vivo Metabolism of Bradykinin, 829
Angiotensin II Induces Leukocyte-Endothelial Cell Interactions In Vivo Via AT_1 and AT_2 Receptor-Mediated P-Selectin Upregulation, 2118
Bradykinin Stimulates Tissue Plasminogen Activator Release From Human Forearm Vasculature Through B_2 Receptor-Dependent, NO Synthase-Independent, and Cyclooxygenase-Independent Pathway, 2190
Cardiovascular Benefit of Cholesterol-Lowering Therapy: Does Improved Endothelial Vasodilator Function Matter? 820
Chronic 17β-Estradiol Replacement Increases Nitric Oxide-Mediated Vasodilation of Guinea Pig Coronary Microcirculation, 445
Confocal Microscopic Localization of Constitutive and Heat Shock-Induced Proteins HSP70 and HSP27 in the Rat Heart, 1703
Differential Effects of Oral and Transdermal Estrogen Replacement Therapy on Endothelial Function in Postmenopausal Women, 2687
Direct Proinflammatory Effect of C-Reactive Protein on Human Endothelial Cells, 2165
Does Folic Acid Decrease Plasma Homocysteine and Improve Endothelial Function in Patients With Predialysis Renal Failure? 871
Effect of Cholesterol-Lowering Therapy on Coronary Endothelial Vasomotor Function in Patients With Coronary Artery Disease, 846
Elevated C-Reactive Protein Levels and Impaired Endothelial Vasoreactivity in Patients With Coronary Artery Disease, 1000
Endothelial Dysfunction After Repeated *Chlamydia pneumoniae* Infection in Apolipoprotein E-Knockout Mice, 1039
Endothelial Responses to Oxidized Lipoproteins Determine Genetic Susceptibility to Atherosclerosis in Mice, 75
Functional Effect of the C242T Polymorphism in the NAD(P)H Oxidase p22phox Gene on Vascular Superoxide Production in Atherosclerosis, 1744
Genetic Differences in Endothelial Cells May Determine Atherosclerosis Susceptibility, 5
Glutathione Reverses Endothelial Damage From Peroxynitrite, the Byproduct of Nitric Oxide Degradation, in Crystalloid Cardioplegia, III-332
Hypercholesterolemia Inhibits Angiogenesis in Response to Hindlimb Ischemia: Nitric Oxide-Dependent Mechanism, III-370
Hypoxia/Reoxygenation Stimulates Intracellular Calcium Oscillations in Human Aortic Endothelial Cells, 2541
Impaired Endothelial Function and Increased Carotid Stiffness in 9-Year-Old Children With Low Birthweight, 2739
Impairment of Endothelium-Dependent Vasodilation of Resistance Vessels in Patients With Obstructive Sleep Apnea, 2607
Improved Vascular Endothelial Function After Oral B Vitamins: An Effect Mediated Through Reduced Concentrations of Free Plasma Homocysteine, 2479
Increased Plasma P-Selectin and Decreased Thrombomodulin in Pulmonary Arterial Hypertension Were Improved by Continuous Prostacyclin Therapy, 2720
In Vivo and In Vitro Evidence for Impaired Arginine Transport in Human Heart Failure, 2707
Mental Stress Induces Transient Endothelial Dysfunction in Humans, 2473
Nebivolol: A Third-Generation β-Blocker That Augments Vascular Nitric Oxide Release: Endothelial β_2-Adrenergic Receptor-Mediated Nitric Oxide Production, 677
Noradrenergic Vascular Hyper-Responsiveness in Human Hypertension Is Dependent on Oxygen Free Radical Impairment of Nitric Oxide Activity, 552
Oral Magnesium Therapy Improves Endothelial Function in Patients With Coronary Artery Disease, 2353
Oxidized LDL Increases the Sensitivity of the Contractile Apparatus in Isolated Resistance Arteries for Ca^{2+} via a Rho- and Rho Kinase-Dependent Mechanism, 2402
Oxidized LDL Upregulates Angiotensin II Type 1 Receptor Expression in Cultured Human Coronary Artery Endothelial Cells: The Potential Role of Transcription Factor NF-κB, 1970
Pulmonary Capillary Endothelium-Bound Angiotensin-Converting Enzyme Activity in Acute Lung Injury, 2011
Regular Aerobic Exercise Prevents and Restores Age-Related Declines in Endothelium-Dependent Vasodilation in Healthy Men, 1351
Remnant Lipoproteins Induce Proatherothrombogenic Molecules in Endothelial Cells Through a Redox-Sensitive Mechanism, 670
Selective Estrogen Receptor Modulator Idoxifene Inhibits Smooth Muscle Cell Proliferation, Enhances Reendothelialization, and Inhibits Neointimal Formation In Vivo After Vascular Injury, III-281
Simvastatin Improves Disturbed Endothelial Barrier Function, 2803
Suppression of Endothelial Nitric Oxide Production After Withdrawal of Statin Treatment Is Mediated by Negative Feedback Regulation of Rho GTPase Gene Transcription, 3104
Suppression of Inflammation in Primary Systemic Vasculitis Restores Vascular Endothelial Function: Lessons for Atherosclerotic Disease? 1470
Vascular Biology: The Past 50 Years, IV-112

Endothelium-derived factors

Adenovirus-Mediated $VEGF_{121}$ Gene Transfer Stimulates Angiogenesis in Normoperfused Skeletal Muscle and Preserves Tissue Perfusion After Induction of Ischemia, 565
Bradykinin Stimulates Tissue Plasminogen Activator Release From Human Forearm Vasculature Through B_2 Receptor-Dependent, NO Synthase-Independent, and Cyclooxygenase-Independent Pathway, 2190
Difference in Endothelium-Derived Hyperpolarizing Factor-Mediated Hyperpolarization and Nitric Oxide Release Between Human Internal Mammary Artery and Saphenous Vein, III-296
Endothelial Activation in Patients With Cardiac Syndrome X, 2359
Increased Activity of Nuclear Factor-κB Participates in Cardiovascular Remodeling Induced by Chronic Inhibition of Nitric Oxide Synthesis in Rats, 806
Ischemia-Induced Coronary Collateral Growth Is Dependent on Vascular Endothelial Growth Factor and Nitric Oxide, 3098

Oxidized LDL Increases the Sensitivity of the Contractile Apparatus in Isolated Resistance Arteries for Ca^{2+} via a Rho- and Rho Kinase-Dependent Mechanism, 2402
Role of Monocyte Chemoattractant Protein-1 in Cardiovascular Remodeling Induced by Chronic Blockade of Nitric Oxide Synthesis, 2243

Endovascular management
Endovascular Management of an Innominate-Caval Fistula Secondary to Insertion of a Cardiac Pacemaker, e124

Entropy
Reduced Ventricular Response Irregularity Is Associated With Increased Mortality in Patients With Chronic Atrial Fibrillation, 300

Enzymes
Involvement of Cytokines in the Mechanism of Whole-Body Hyperthermia-Induced Cardioprotection, 452
Isolation and Characterization of Coenzyme A Glutathione Disulfide as a Parathyroid-Derived Vasoconstrictive Factor, 2548
Pulmonary Capillary Endothelium-Bound Angiotensin-Converting Enzyme Activity in Acute Lung Injury, 2011
Ribozyme Oligonucleotides Against Transforming Growth Factor-β Inhibited Neointimal Formation After Vascular Injury in Rat Model: Potential Application of Ribozyme Strategy to Treat Cardiovascular Disease, 1308
Tissue Endothelin-Converting Enzyme Activity Correlates With Cardiovascular Risk Factors in Coronary Artery Disease, 1086

Epidemiology
Anticipatory Blood Pressure Responses to Exercise Are Associated With Left Ventricular Mass in Finnish Men: Kuopio Ischemic Heart Disease Risk Factor Study, 1394
Body Composition and Prevalence of Left Ventricular Hypertrophy, 405
Cerebrovascular Disease, IV-75
Change in Level of Physical Activity and Risk of All-Cause Mortality or Reinfarction: The Corpus Christi Heart Project, 2204
Common Carotid Artery Intima-Media Thickness and Brain Infarction: The Étude du Profil Génétique de l'Infarctus Cérébral (GÉNIC) Case-Control Study, 313
Common Cholesteryl Ester Transfer Protein Mutations, Decreased HDL Cholesterol, and Possible Decreased Risk of Ischemic Heart Disease: The Copenhagen City Heart Study, 2197
Comparison of Novel Hemostatic Factors and Conventional Risk Factors for Prediction of Coronary Heart Disease, 2816
Demographic, Belief, and Situational Factors Influencing the Decision to Utilize Emergency Medical Services Among Chest Pain Patients, 173
Depressive Symptoms and Risks of Coronary Heart Disease and Mortality in Elderly Americans, 1773
Epidemiological and Genetic Associations of Activated Factor XII Concentration With Factor VII Activity, Fibrinopeptide A Concentration, and Risk of Coronary Heart Disease in Men, 2058
Evidence of Improving Prognosis in Heart Failure: Trends in Case Fatality in 66 547 Patients Hospitalized Between 1986 and 1995, 1126
Fish Oil-Derived Fatty Acids, Docosahexaenoic Acid and Docosapentaenoic Acid, and the Risk of Acute Coronary Events: The Kuopio Ischaemic Heart Disease Risk Factor Study, 2677
New Issues in the Treatment of Isolated Systolic Hypertension, 1079
Physical Activity and Coronary Heart Disease in Men: The Harvard Alumni Health Study, 975
Recommendations for the Management of Patients With Unruptured Intracranial Aneurysms: A Statement for Healthcare Professionals From the Stroke Council of the American Heart Association, 2300
Trends and Disparities in Coronary Heart Disease, Stroke, and Other Cardiovascular Diseases in the United States: Findings of the National Conference on Cardiovascular Disease Prevention, 3137
Two-Year Changes in Blood Pressure and Subsequent Risk of Cardiovascular Disease in Men, 307

Estrogen
17β-Estradiol Decreases Endothelin-1 Levels in the Coronary Circulation of Postmenopausal Women With Coronary Artery Disease, 1617
Sympathetic Activity and Baroreflex Sensitivity in Young Women Taking Oral Contraceptives, 1473

Exercise
Abnormal Cardiac Autonomic Nervous Activity After Right Ventricular Outflow Tract Reconstruction, 2732
Anticipatory Blood Pressure Responses to Exercise Are Associated With Left Ventricular Mass in Finnish Men: Kuopio Ischemic Heart Disease Risk Factor Study, 1394
Assessment of Functional Capacity in Clinical and Research Applications: An Advisory From the Committee on Exercise, Rehabilitation, and Prevention, Council on Clinical Cardiology, American Heart Association, 1591
Can Aerobic Exercise Training Be Hazardous to Human Vessels? Letter, e168, Response, e168
Cardiac Exercise Hemodynamics Late After Partial Left Ventriculectomy, III-200
Cardiorespiratory Fitness and Coronary Heart Disease Risk Factors: The LDS Hospital Fitness Institute Cohort, 1623
Chronic Exercise Reduces Sympathetic Nerve Activity in Rabbits With Pacing-Induced Heart Failure: A Role for Angiotensin II, 1854
Core Components of Cardiac Rehabilitation/Secondary Prevention Programs: A Statement for Healthcare Professionals From the American Heart Association and the American Association of Cardiovascular and Pulmonary Rehabilitation, 1069
Cyclic Nucleotide Phosphodiesterase Type 5 Activity Limits Blood Flow to Hypoperfused Myocardium During Exercise, 2997
Effect of Exercise on Arterial Compliance, 1214
Effects of a Residential Exercise Training on Baroreflex Sensitivity and Heart Rate Variability in Patients With Coronary Artery Disease: A Randomized, Controlled Study, 2588
Exercise and Endothelial Function: Letter, e179, Response, e179
Failure of Stroke Volume Augmentation During Exercise and Dobutamine Stress Is Unrelated to Load-Independent Indexes of Right Ventricular Performance After the Mustard Operation, III-154
Impact of Atrioventricular Compliance on Pulmonary Artery Pressure in Mitral Stenosis: An Exercise Echocardiographic Study, 2378
Normotensive and Hypertensive Subjects: Role of Endothelium-Derived Nitric Oxide: Response, e119
Physical Activity and Coronary Heart Disease in Men: The Harvard Alumni Health Study, 975
Physical Activity and Coronary Heart Disease Risk in Men: Does the Duration of Exercise Episodes Predict Risk? 981
Physical Activity and Mortality in Older Men With Diagnosed Coronary Heart Disease, 1358
Postexercise Ischemia Is Associated With Increased Neuropeptide Y in Patients With Coronary Artery Disease, 987
Regular Aerobic Exercise Augments Endothelium-Dependent Vascular Relaxation in Normotensive and Hypertensive Subjects: Role of Endothelium-Derived Nitric Oxide: Letter, e119
Regular Aerobic Exercise Prevents and Restores Age-Related Declines in Endothelium-Dependent Vasodilation in Healthy Men, 1351
Safety and Utility of Exercise Testing in Emergency Room Chest Pain Centers: An Advisory From the Committee on Exercise, Rehabilitation, and Prevention, Council on Clinical Cardiology, American Heart Association, 1463
Ventilatory and Heart Rate Responses to Exercise: Better Predictors of Heart Failure Mortality Than Peak Exercise Oxygen Consumption: Letter, e182, Response, e182

Extracellular matrix
Matrix Matters, 1874
Potential Contribution of a Novel Antifibrotic Factor, Hepatocyte Growth Factor, to Prevention of Myocardial Fibrosis by Angiotensin II Blockade in Cardiomyopathic Hamsters, 246
Thrombomodulin Overexpression to Limit Neointima Formation, 332

F

Fas
Predictors of Disease Course in Patients With Acute Myocarditis, 2829

Fat-free mass
Body Composition and Prevalence of Left Ventricular Hypertrophy, 405

Fatty acids
Fish Oil-Derived Fatty Acids, Docosahexaenoic Acid and Docosapentaenoic Acid, and the Risk of Acute Coronary Events: The Kuopio Ischaemic Heart Disease Risk Factor Study, 2677

Perinatal Changes in Myocardial Metabolism in Lambs, 926
Fen/Phen
Fen/Phen and Valvular Heart Disease: The Final Link Has Now Been Established: Letter, e180
Fenfluramine
Evidence for Possible Involvement of 5-HT^{2B} Receptors in the Cardiac Valvulopathy Associated With Fenfluramine and Other Serotonergic Medications, 2836
Fetoscopy
Fetoscopic Direct Fetal Cardiac Access in Sheep: An Important Experimental Milestone Along the Route to Human Fetal Cardiac Intervention, 1602
Fetus
Fetoscopic Direct Fetal Cardiac Access in Sheep: An Important Experimental Milestone Along the Route to Human Fetal Cardiac Intervention, 1602
Fibrillation
Catheter Ablation of Cardiac Autonomic Nerves for Prevention of Vagal Atrial Fibrillation, 2774
Circumferential Radiofrequency Ablation of Pulmonary Vein Ostia: A New Anatomic Approach for Curing Atrial Fibrillation, 2619
Clinical and Genetic Heterogeneity of Right Bundle Branch Block and ST-Segment Elevation Syndrome: A Prospective Evaluation of 52 Families, 2509
Dofetilide, 2665
Effects of Digoxin on Acute, Atrial Fibrillation-Induced Changes in Atrial Refractoriness, 2503
Efficacy and Safety of Oral Dofetilide in Converting to and Maintaining Sinus Rhythm in Patients With Chronic Atrial Fibrillation or Atrial Flutter: The Symptomatic Atrial Fibrillation Investigative Research on Dofetilide (SAFIRE-D) Study, 2385
Electrical Remodeling of the Atria Associated With Paroxysmal and Chronic Atrial Flutter, 1807
Electrophysiological Breakthroughs From the Left Atrium to the Pulmonary Veins, 2463
Electrophysiological Deterioration During Long-Duration Ventricular Fibrillation, 2886
Estimates of Repolarization Dispersion From Electrocardiographic Measurements, 685
First Human Experience With Pulmonary Vein Isolation Using a Through-the-Balloon Circumferential Ultrasound Ablation System for Recurrent Atrial Fibrillation, 1879
Implications of Stroke Risk Criteria on the Anticoagulation Decision in Nonvalvular Atrial Fibrillation: The Anticoagulation and Risk Factors In Atrial Fibrillation (ATRIA) Study, 11
Initiation of Atrial Fibrillation by Ectopic Beats Originating From the Superior Vena Cava: Electrophysiological Characteristics and Results of Radiofrequency Ablation, 67
Predicting Outcome of Defibrillation by Spectral Characterization and Nonparametric Classification of Ventricular Fibrillation in Patients With Out-of-Hospital Cardiac Arrest, 1523
Predictors of Atrial Fibrillation After Conventional and Beating Heart Coronary Surgery: A Prospective, Randomized Study, 1530
Randomized Controlled Study Investigating the Effect of Biatrial Pacing in Prevention of Atrial Fibrillation After Coronary Artery Bypass Grafting, 1382
Randomized Crossover Comparison of DDDR Versus VDD Pacing After Atrioventricular Junction Ablation for Prevention of Atrial Fibrillation, 736
Sudden Cardiac Death With Apparently Normal Heart, 649
Treating Electrical Storm: Sympathetic Blockade Versus Advanced Cardiac Life Support-Guided Therapy, 742
Widening of the Excitable Gap During Pharmacological Cardioversion of Atrial Fibrillation in the Goat: Effects of Cibenzoline, Hydroquinidine, Flecainide, and d-Sotalol, 260
Fibrinogen
Association of Fibrinogen With Cardiovascular Risk Factors and Cardiovascular Disease in the Framingham Offspring Population, 1634
P-Selectin Expression on Platelets Determines Size and Stability of Platelet Aggregates, 1931
Polyethylene Glycol-Derivatized Cysteine-Substitution Variants of Recombinant Staphylokinase for Single-Bolus Treatment of Acute Myocardial Infarction, 1766
Tissue Endothelin-Converting Enzyme Activity Correlates With Cardiovascular Risk Factors in Coronary Artery Disease, 1086
Fibrinolysis
Catalytic Life of Activated Factor XIII in Thrombi: Implications for Fibrinolytic Resistance and Thrombus Aging, 1151
Fibrosis
Lisinopril-Mediated Regression of Myocardial Fibrosis in Patients With Hypertensive Heart Disease, 1388
Potential Contribution of a Novel Antifibrotic Factor, Hepatocyte Growth Factor, to Prevention of Myocardial Fibrosis by Angiotensin II Blockade in Cardiomyopathic Hamsters, 246
Targeting Pathological Remodeling: Concepts of Cardioprotection and Reparation, 1342
Fish oils
Differential Effects of Eicosapentaenoic Acid and Docosahexaenoic Acid on Vascular Reactivity of the Forearm Microcirculation in Hyperlipidemic, Overweight Men, 1264
Flow
Pulsatile Flow in Patients With a Novel Nonpulsatile Implantable Ventricular Assist Device, III-183
Fluoroscopy
Visualization and Temporal/Spatial Characterization of Cardiac Radiofrequency Ablation Lesions Using Magnetic Resonance Imaging, 698
Follow-up studies
Cytomegalovirus Seropositivity and C-Reactive Protein Have Independent and Combined Predictive Value for Mortality in Patients With Angiographically Demonstrated Coronary Artery Disease, 1917
Disappearance of Aortic Intramural Hematoma and Its Significance to the Prognosis, III-243
Long-Term Effects on Clinical Outcomes of Aggressive Lowering of Low-Density Lipoprotein Cholesterol Levels and Low-Dose Anticoagulation in the Post Coronary Artery Bypass Graft Trial, 157
Tetralogy of Fallot: Transannular and Right Ventricular Patching Equally Affect Late Functional Status, III-116
Fontan procedure
Clinical Outcome of Fenestrated Fontan Patients After Closure: The First 10 Years, 2094
Cognitive Development After the Fontan Operation, 883
Effects of Respiration and Gravity on Infradiaphragmatic Venous Flow in Normal and Fontan Patients, III-148
Electrophysiological Mapping and Ablation of Intra-Atrial Reentry Tachycardia After Fontan Surgery With the Use of a Noncontact Mapping System, 419
Pediatric Cardiology and Cardiovascular Surgery: 1950-2000, IV-58
Fourier analysis
Predicting Outcome of Defibrillation by Spectral Characterization and Nonparametric Classification of Ventricular Fibrillation in Patients With Out-of-Hospital Cardiac Arrest, 1523
Framingham Offspring Study
Association of Fibrinogen With Cardiovascular Risk Factors and Cardiovascular Disease in the Framingham Offspring Population, 1634
Free radicals
Cardiac-Specific Overexpression of Tumor Necrosis Factor-α Causes Oxidative Stress and Contractile Dysfunction in Mouse Diaphragm, 1690

G

GATA4
Deletion of a 5-cM Region at Chromosome 8p23 Is Associated With a Spectrum of Congenital Heart Defects, 432
Gene deletion
Deletion of a 5-cM Region at Chromosome 8p23 Is Associated With a Spectrum of Congenital Heart Defects, 432
Gene expression
Decreased SLIM1 Expression and Increased Gelsolin Expression in Failing Human Hearts Measured by High-Density Oligonucleotide Arrays, 3046
Gene therapy
Bolus Endovascular PDGFR-β Antisense Treatment Suppressed Intimal Hyperplasia in a Rat Carotid Injury Model, 1330

Gene Transfer of Human Prostacyclin Synthase Ameliorates Monocrotaline-Induced Pulmonary Hypertension in Rats, 2005
Ribozyme Oligonucleotides Against Transforming Growth Factor-β Inhibited Neointimal Formation After Vascular Injury in Rat Model: Potential Application of Ribozyme Strategy to Treat Cardiovascular Disease, 1308
Selective Targeting of Gene Transfer to Vascular Endothelial Cells by Use of Peptides Isolated by Phage Display, 231
Therapeutic Myocardial Angiogenesis Via Vascular Endothelial Growth Factor Gene Therapy: Moving on Down the Road, 940
Thrombomodulin Overexpression to Limit Neointima Formation, 332
Uptake of Radiolabeled 2′-Fluoro-2′-Deoxy-5-Iodo-1-β-D-Arabinofuranosyluracil in Cardiac Cells After Adenoviral Transfer of the Herpesvirus Thymidine Kinase Gene: The Cellular Basis for Cardiac Gene Imaging, 948

Gene transfer
Intracoronary Delivery of Adenovirus Encoding Adenylyl Cyclase VI Increases Left Ventricular Function and cAMP-Generating Capacity, 2396

Genes
Adenovirus-Mediated $VEGF_{121}$ Gene Transfer Stimulates Angiogenesis in Normoperfused Skeletal Muscle and Preserves Tissue Perfusion After Induction of Ischemia, 565
Aerosol Gene Transfer With Inducible Nitric Oxide Synthase Reduces Hypoxic Pulmonary Hypertension and Pulmonary Vascular Remodeling in Rats, 2880
Chronic Unloading by Left Ventricular Assist Device Reverses Contractile Dysfunction and Alters Gene Expression in End-Stage Heart Failure, 2713
Clinical Features of Hypertrophic Cardiomyopathy Caused by a Lys183 Deletion Mutation in the Cardiac Troponin I Gene, 663
Effects of a K^+ Channel Opener to Reduce Transmural Dispersion of Repolarization and Prevent Torsade de Pointes in LQT1, LQT2, and LQT3 Models of the Long-QT Syndrome, 706
Epidemiological and Genetic Associations of Activated Factor XII Concentration With Factor VII Activity, Fibrinopeptide A Concentration, and Risk of Coronary Heart Disease in Men, 2058
G-Protein β_3-Subunit 825T Allele Is Associated With Enhanced Human Atrial Inward Rectifier Potassium Currents, 692
Gene Expression of Brain Natriuretic Peptide in Isolated Atrial and Ventricular Human Myocardium: Influence of Angiotensin II and Diastolic Fiber Length, 3074
Gene Therapy for Myocardial Protection: Transfection of Donor Hearts With Heat Shock Protein 70 Gene Protects Cardiac Function Against Ischemia-Reperfusion Injury, III-302
Gene Transfer of the Serine Elastase Inhibitor Elafin Protects Against Vein Graft Degeneration, III-289
Homozygosity for 807 T Polymorphism in α_2 Subunit of Platelet $\alpha_2\beta_1$ Is Associated With Increased Risk of Cardiovascular Mortality in High-Risk Women, 1645
Insertion-Deletion Polymorphism of the ACE Gene Modulates Reversibility of Endothelial Dysfunction With ACE Inhibition, 35
Insertion/Deletion Polymorphism of the Angiotensin I-Converting Enzyme Gene Is Not Associated With Restenosis After Coronary Stent Placement, 197
Intravascular Adenovirus-Mediated VEGF-C Gene Transfer Reduces Neointima Formation in Balloon-Denuded Rabbit Aorta, 2262
Involvement of CD95/Apo1/Fas in Cell Death After Myocardial Ischemia, 915
Involvement of Cytokines in the Mechanism of Whole-Body Hyperthermia-Induced Cardioprotection, 452
Molecular Pharmacology of the Sodium Channel Mutation D1790G Linked to the Long-QT Syndrome, 921
Overexpression of Eotaxin and the CCR3 Receptor in Human Atherosclerosis: Using Genomic Technology to Identify a Potential Novel Pathway of Vascular Inflammation, 2185
Peeking Under the Peaks: Following Up Genome-Wide Linkage Analyses, 1877
Plasma Homocysteine Predicts Mortality Independently of Traditional Risk Factors and C-Reactive Protein in Patients With Angiographically Defined Coronary Artery Disease, 1227
Regulated Expression of the BTEB2 Transcription Factor in Vascular Smooth Muscle Cells: Analysis of Developmental and Pathological Expression Profiles Shows Implications as a Predictive Factor for Restenosis, 2528
VEGF Gene Delivery to Myocardium: Deleterious Effects of Unregulated Expression, 898

Genes, reporter
Uptake of Radiolabeled 2′-Fluoro-2′-Deoxy-5-Iodo-1-β-D-Arabinofuranosyluracil in Cardiac Cells After Adenoviral Transfer of the Herpesvirus Thymidine Kinase Gene: The Cellular Basis for Cardiac Gene Imaging, 948

Genetics
Abnormal Pulmonary Artery Pressure Response in Asymptomatic Carriers of Primary Pulmonary Hypertension Gene, 1145
Alcohol Septal Ablation in Hypertrophic Obstructive Cardiomyopathy: The Need for a Registry, 600
Chips Ahoy: Gene Expression in Failing Hearts Surveyed by High-Density Microarrays, 3026
Clinical and Genetic Heterogeneity of Right Bundle Branch Block and ST-Segment Elevation Syndrome: A Prospective Evaluation of 52 Families, 2509
Functional Effect of the C242T Polymorphism in the NAD(P)H Oxidase p22phox Gene on Vascular Superoxide Production in Atherosclerosis, 1744
Genetic Differences in Endothelial Cells May Determine Atherosclerosis Susceptibility, 5
Genetics of Cardiovascular Disease, IV-103
Genetics of Hypertension, Target-Organ Complications, and Response to Therapy, IV-40
Genome-Wide Linkage Analysis of Systolic and Diastolic Blood Pressure: The Québec Family Study, 1956
Homozygous Mutation in Cardiac Troponin T: Implications for Hypertrophic Cardiomyopathy, 1950
Myocardial Diseases, IV-34
Peeking Under the Peaks: Following Up Genome-Wide Linkage Analyses, 1877
Physiological Induction of a β-Adrenergic Receptor Kinase Inhibitor Transgene Preserves β-Adrenergic Responsiveness in Pressure-Overload Cardiac Hypertrophy, 2751
Severely Impaired Baroreflex-Buffering in Patients With Monogenic Hypertension and Neurovascular Contact, 2611
Spectrum of Mutations in Long-QT Syndrome Genes: *KVLQT1*, *HERG*, *SCN5A*, *KCNE1*, and *KCNE2*, 1178
Spectrum of ST-T-Wave Patterns and Repolarization Parameters in Congenital Long-QT Syndrome: ECG Findings Identify Genotypes, 2849
Tissue Doppler Imaging Consistently Detects Myocardial Contraction and Relaxation Abnormalities, Irrespective of Cardiac Hypertrophy, in a Transgenic Rabbit Model of Human Hypertrophic Cardiomyopathy, 1346

Genotype
Predicting the Long-QT Genotype From Clinical Data: From Sense to Science, 2796

Glucose
Perinatal Changes in Myocardial Metabolism in Lambs, 926
Spatial Heterogeneity in Fasting and Insulin-Stimulated ^{18}F-2-Deoxyglucose Uptake in Pigs With Hibernating Myocardium, 908

Glutathione peroxidase
Adriamycin-Induced Early Changes in Myocardial Antioxidant Enzymes and Their Modulation by Probucol, 2105

Glycoproteins
Adoptive Transfer of β_2-Glycoprotein I-Reactive Lymphocytes Enhances Early Atherosclerosis in LDL Receptor-Deficient Mice, 1822
Angiotensin II Induces Leukocyte-Endothelial Cell Interactions In Vivo Via AT_1 and AT_2 Receptor-Mediated P-Selectin Upregulation, 2118
Changes in Surface Expression of Platelet Membrane Glycoproteins and Progression of Heart Transplant Vasculopathy, 890
Enhanced Efficacy of Eptifibatide Administration in Patients With Acute Coronary Syndrome Requiring In-Hospital Coronary Artery Bypass Grafting, 2952
Glycoprotein IIb/IIIa Receptor Blockade Improves Outcomes in Diabetic Patients Presenting With Unstable Angina/Non-ST-Elevation Myocardial Infarction: Results From the Platelet Receptor Inhibition in Ischemic Syndrome Management in Patients, 2466

Management of Patients With Acute Coronary Syndromes in the United States by Platelet Glycoprotein IIb/IIIa Inhibition: Insights From the Platelet Glycoprotein IIb/IIIa in Unstable Angina: Receptor Suppression Using Integrilin Therapy (PURSUIT) Trial, 1093
A New Role for P-Selectin in Shear-Induced Platelet Aggregation, 2045
P-Selectin Expression on Platelets Determines Size and Stability of Platelet Aggregates, 1931
Participation of Tyrosine Phosphorylation in Cytoskeletal Reorganization, $\alpha_{IIb}\beta_3$ Integrin Receptor Activation, and Aspirin-Insensitive Mechanisms of Thrombin-Stimulated Human Platelets, 1924
Platelet PI^{A2} Allele and Incidence of Coronary Heart Disease: Results From the Atherosclerosis Risk In Communities (ARIC) Study, 1901

Grafting
Aortic Root Characteristics of Human Pulmonary Autografts, III-15
Enhanced Efficacy of Eptifibatide Administration in Patients With Acute Coronary Syndrome Requiring In-Hospital Coronary Artery Bypass Grafting, 2952
HDL Cholesterol Level Predicts Survival in Men After Coronary Artery Bypass Graft Surgery: 20-Year Experience From The Cleveland Clinic Foundation, III-90
Long-Term Effects on Clinical Outcomes of Aggressive Lowering of Low-Density Lipoprotein Cholesterol Levels and Low-Dose Anticoagulation in the Post Coronary Artery Bypass Graft Trial, 157
Midterm Echocardiographic Follow-Up After Ross Operation, III-10
One-Year Clinical Outcome After Minimally Invasive Direct Coronary Artery Bypass, 2799
Randomized Controlled Study Investigating the Effect of Biatrial Pacing in Prevention of Atrial Fibrillation After Coronary Artery Bypass Grafting, 1382
Reduction of Vein Graft Disease Using Photodynamic Therapy with Motexafin Lutetium in a Rodent Isograft Model, III-275
Socioeconomic Status Is an Important Determinant of the Use of Invasive Procedures After Acute Myocardial Infarction in New York State, III-107
Treatment of Aortocoronary Vein Graft Lesions With Membrane-Covered Stents: A Multicenter Surveillance Trial, 2024

Growth substances
Angiogenesis Is Induced in a Rabbit Model of Hindlimb Ischemia by Naked DNA Encoding an HIF-1α/VP16 Hybrid Transcription Factor, 2255
Bolus Endovascular PDGFR-β Antisense Treatment Suppressed Intimal Hyperplasia in a Rat Carotid Injury Model, 1330
Ex Vivo Antisense Oligonucleotides to Proliferating Cell Nuclear Antigen and Cdc2 Kinase Inhibit Graft Coronary Artery Disease, III-237
Folic Acid in Endothelial Function in Familial Hypercholesterolemia: Letter, e92, Response, e92
Intravascular Adenovirus-Mediated VEGF-C Gene Transfer Reduces Neointima Formation in Balloon-Denuded Rabbit Aorta, 2262
Magnetic Resonance Angiography of a Pulmonary Artery Stenosis Late After Cardiac Surgery, e71
Novel Method to Enhance Sternal Healing After Harvesting Bilateral Internal Thoracic Arteries With Use of Basic Fibroblast Growth Factor, III-307
Ribozyme Oligonucleotides Against Transforming Growth Factor-β Inhibited Neointimal Formation After Vascular Injury in Rat Model: Potential Application of Ribozyme Strategy to Treat Cardiovascular Disease, 1308
Role of Monocyte Chemoattractant Protein-1 in Cardiovascular Remodeling Induced by Chronic Blockade of Nitric Oxide Synthesis, 2243
Therapeutic Angiogenesis With Recombinant Fibroblast Growth Factor-2 Improves Stress and Rest Myocardial Perfusion Abnormalities in Patients With Severe Symptomatic Chronic Coronary Artery Disease, 1605
Therapeutic Myocardial Angiogenesis Via Vascular Endothelial Growth Factor Gene Therapy: Moving on Down the Road, 940

H

Heart
Regulation of Cardiac Contraction and Relaxation, IV-69

Heart arrest
Clinical and Genetic Heterogeneity of Right Bundle Branch Block and ST-Segment Elevation Syndrome: A Prospective Evaluation of 52 Families, 2509
Multicenter, Randomized, Controlled Trial of 150-J Biphasic Shocks Compared With 200- to 360-J Monophasic Shocks in the Resuscitation of Out-of-Hospital Cardiac Arrest Victims, 1780
Randomized Comparison of Antiarrhythmic Drug Therapy With Implantable Defibrillators in Patients Resuscitated From Cardiac Arrest: The Cardiac Arrest Study Hamburg (CASH), 748

Heart-arrest device
Multicenter, Randomized, Controlled Trial of 150-J Biphasic Shocks Compared With 200- to 360-J Monophasic Shocks in the Resuscitation of Out-of-Hospital Cardiac Arrest Victims, 1780

Heart-assist devices
Chronic Unloading by Left Ventricular Assist Device Reverses Contractile Dysfunction and Alters Gene Expression in End-Stage Heart Failure, 2713
Deloading of the Left Ventricle by Ventricular Assist Device Normalizes Increased Expression of Endothelin ET_A Receptors But Not Endothelin-Converting Enzyme-1 in Patients With End-Stage Heart Failure, III-188
Effects Of Continuous Positive Airway Pressure On Cardiovascular Outcomes In Heart Failure Patients With and Without Cheyne-Stokes Respiration, 61
Infections During Left Ventricular Assist Device Support Do Not Affect Posttransplant Outcomes, III-194
Mechanical Unloading Versus Neurohumoral Stimulation on Myocardial Structure and Endocrine Function In Vivo, 338

Heart defects, congenital
Abnormal Cardiac Autonomic Nervous Activity After Right Ventricular Outflow Tract Reconstruction, 2732
Aortic Valve Repair for Adult Congenital Heart Disease: A 22-Year Experience, III-40
Bicuspid Aortic Valves Are Associated With Aortic Dilatation Out of Proportion to Coexistent Valvular Lesions, III-35
Deletion of a 5-cM Region at Chromosome 8p23 Is Associated With a Spectrum of Congenital Heart Defects, 432
Factors Affecting Longevity of Homograft Valves Used in Right Ventricular Outflow Tract Reconstruction for Congenital Heart Disease, III-130
Importance of Atrial Flutter Isthmus in Postoperative Intra-Atrial Reentrant Tachycardia, 1283
A Prospective Analysis of the Immunogenicity of Cryopreserved Nonvalved Allografts Used in Pediatric Heart Surgery, III-179
Severe Airflow Limitation After the Unifocalization Procedure: Clinical and Morphological Correlates, III-142
Surgical Management of Mitral Regurgitation After Repair of Endocardial Cushion Defects: Early and Midterm Results, III-160
Survival After Reconstructive Surgery for Hypoplastic Left Heart Syndrome: A 15-Year Experience From a Single Institution, III-136
Tetralogy of Fallot: Transannular and Right Ventricular Patching Equally Affect Late Functional Status, III-116

Heart disease, valvular
Fen/Phen and Valvular Heart Disease: The Final Link Has Now Been Established: Letter, e180
Valvular Heart Disease, IV-24

Heart diseases
AHA Dietary Guidelines: Revision 2000: A Statement for Healthcare Professionals From the Nutrition Committee of the American Heart Association, 2284
Assessment of Functional Capacity in Clinical and Research Applications: An Advisory From the Committee on Exercise, Rehabilitation, and Prevention, Council on Clinical Cardiology, American Heart Association, 1591
Common Cholesteryl Ester Transfer Protein Mutations, Decreased HDL Cholesterol, and Possible Decreased Risk of Ischemic Heart Disease: The Copenhagen City Heart Study, 2197
Effects of Walking on Coronary Heart Disease in Elderly Men: Letter, e16
Evidence of *Trypanosoma cruzi* Infection (Chagas' Disease) Among Patients Undergoing Cardiac Surgery, 2978
Insulin Prevents Cardiomyocytes From Oxidative Stress-Induced Apoptosis Through Activation of PI3 Kinase/Akt, 2873

Low Heart Rate Variability in a 2-Minute Rhythm Strip Predicts Risk of Coronary Heart Disease and Mortality From Several Causes: The ARIC Study, 1239
Oral Glycoprotein IIb/IIIa Inhibition With Orbofiban in Patients With Unstable Coronary Syndromes (OPUS-TIMI 16) Trial, 149
The Past 50 Years of Cardiovascular Surgery, IV-87
Risk Factors for Infective Endocarditis: Oral Hygiene and Nondental Exposures, 2842
Soy Protein and Cardiovascular Disease: A Statement for Healthcare Professionals From the Nutrition Committee of the AHA, 2555
Spontaneously Occurring Arrhythmogenic Right Ventricular Cardiomyopathy in the Domestic Cat: A New Animal Model Similar to the Human Disease, 1863
Therapeutic Angiogenesis With Recombinant Fibroblast Growth Factor-2 Improves Stress and Rest Myocardial Perfusion Abnormalities in Patients With Severe Symptomatic Chronic Coronary Artery Disease, 1605
Tissue Engineering of Pulmonary Heart Valves on Allogenic Acellular Matrix Conduits: In Vivo Restoration of Valve Tissue, III-50
Trypanosoma cruzi-Infected Cardiomyocytes Produce Chemokines and Cytokines That Trigger Potent Nitric Oxide-Dependent Trypanocidal Activity, 3003
Two-Year Changes in Blood Pressure and Subsequent Risk of Cardiovascular Disease in Men, 307

Heart failure

β-Adrenergic Receptor Subtypes Differentially Affect Apoptosis in Adult Rat Ventricular Myocytes, 344
Acute Coronary Findings at Autopsy in Heart Failure Patients With Sudden Death: Results From the Assessment of Treatment With Lisinopril and Survival (ATLAS) Trial, 611
Acute Hemodynamic and Clinical Effects of Levosimendan in Patients With Severe Heart Failure, 2222
Adriamycin-Induced Early Changes in Myocardial Antioxidant Enzymes and Their Modulation by Probucol, 2105
Alterations by Norepinephrine of Cardiac Sympathetic Nerve Terminal Function and Myocardial β-Adrenergic Receptor Sensitivity in the Ferret: Normalization by Antioxidant Vitamins, 96
Altered Stoichiometry of FKBP12.6 Versus Ryanodine Receptor as a Cause of Abnormal Ca^{2+} Leak Through Ryanodine Receptor in Heart Failure, 2131
Angiotensin II Receptor Subtypes in the Skeletal Muscle Vasculature of Patients With Severe Congestive Heart Failure, 2210
Are All β-Blockers for Heart Failure the Same? e41, Response, e41
Association Between White Blood Cell Count, Epicardial Blood Flow, Myocardial Perfusion, and Clinical Outcomes in the Setting of Acute Myocardial Infarction: A Thrombolysis In Myocardial Infarction 10 Substudy, 2329
Bioengineered Cardiac Grafts: A New Approach to Repair the Infarcted Myocardium? III-56
Biventricular Pacing Decreases Sympathetic Activity Compared With Right Ventricular Pacing in Patients With Depressed Ejection Fraction, 1027
Calcineurin Inhibitor Attenuates Left Ventricular Hypertrophy, Leading to Prevention of Heart Failure in Hypertensive Rats, 2269
Cardiac-Specific Overexpression of Tumor Necrosis Factor-α Causes Oxidative Stress and Contractile Dysfunction in Mouse Diaphragm, 1690
Chips Ahoy: Gene Expression in Failing Hearts Surveyed by High-Density Microarrays, 3026
Chronic Exercise Reduces Sympathetic Nerve Activity in Rabbits With Pacing-Induced Heart Failure: A Role for Angiotensin II, 1854
Chronic Unloading by Left Ventricular Assist Device Reverses Contractile Dysfunction and Alters Gene Expression in End-Stage Heart Failure, 2713
Congenital Deficiency of Nitric Oxide Synthase 2 Protects Against Endotoxin-Induced Myocardial Dysfunction in Mice, 1440
Congestive Heart Failure: Fifty Years of Progress, IV-14
Decreased SLIM1 Expression and Increased Gelsolin Expression in Failing Human Hearts Measured by High-Density Oligonucleotide Arrays, 3046
Deloading of the Left Ventricle by Ventricular Assist Device Normalizes Increased Expression of Endothelin ET_A Receptors But Not Endothelin-Converting Enzyme-1 in Patients With End-Stage Heart Failure, III-188
Determinants of the Degree of Functional Mitral Regurgitation in Patients With Systolic Left Ventricular Dysfunction: A Quantitative Clinical Study, 1400
Development of a Novel Method for Cell Transplantation Through the Coronary Artery, III-359
Differential Effects of β-Blockers in Patients With Heart Failure: A Prospective, Randomized, Double-Blind Comparison of the Long-Term Effects of Metoprolol Versus Carvedilol, 546
The Effects of β_1-Blockade on Oxidative Metabolism and the Metabolic Cost of Ventricular Work in Patients With Left Ventricular Dysfunction: A Double-Blind, Placebo-Controlled, Positron-Emission Tomography Study, 2070
Effects of Acute Angiotensin II Type 1 Receptor Antagonism and Angiotensin Converting Enzyme Inhibition on Plasma Fibrinolytic Parameters in Patients With Heart Failure: Letter, e43, Response, e43
Effects of Combined Angiotensin II and Endothelin Receptor Blockade With Developing Heart Failure: Effects on Left Ventricular Performance, 1447
Effects of Dopamine β-Hydroxylase Inhibition With Nepicastat on the Progression of Left Ventricular Dysfunction and Remodeling in Dogs With Chronic Heart Failure, 1990
Endothelins and Endothelin Receptor Antagonists: Therapeutic Considerations for a Novel Class of Cardiovascular Drugs, 2434
Endotoxin-Induced Myocardial Tumor Necrosis Factor-α Synthesis Depresses Contractility of Isolated Rat Hearts: Evidence for a Role of Sphingosine and Cyclooxygenase-2-Derived Thromboxane Production, 2758
Epidemiology of Hypertrophic Cardiomyopathy-Related Death: Revisited in a Large Non-Referral-Based Patient Population, 858
Evidence of Improving Prognosis in Heart Failure: Trends in Case Fatality in 66 547 Patients Hospitalized Between 1986 and 1995, 1126
Heart Failure Affects Mitochondrial but Not Myofibrillar Intrinsic Properties of Skeletal Muscle, 1847
Improvement of Endothelial Function by Chronic Angiotensin-Converting Enzyme Inhibition in Heart Failure: Role of Nitric Oxide, Prostanoids, Oxidant Stress, and Bradykinin, 351
Independent and Incremental Prognostic Value of ^{201}Tl Lung Uptake at Rest in Patients With Severe Postischemic Left Ventricular Dysfunction, 1795
Infections During Left Ventricular Assist Device Support Do Not Affect Posttransplant Outcomes, III-194
Intracoronary Delivery of Adenovirus Encoding Adenylyl Cyclase VI Increases Left Ventricular Function and cAMP-Generating Capacity, 2396
Intramyocardial Transplantation of Autologous Myoblasts: Can Tissue Processing Be Optimized? III-210
Left Ventricular Hypertrophy: Pathogenesis, Detection, and Prognosis, 470
Left Ventricular or Biventricular Pacing Improves Cardiac Function at Diminished Energy Cost in Patients With Dilated Cardiomyopathy and Left Bundle-Branch Block, 3053
Limitation of Excessive Extracellular Matrix Turnover May Contribute to Survival Benefit of Spironolactone Therapy in Patients With Congestive Heart Failure: Insights From the Randomized Aldactone Evaluation Study (RALES), 2700
Microtubule Depolymerization Normalizes In Vivo Myocardial Contractile Function in Dogs With Pressure-Overload Left Ventricular Hypertrophy, 1045
Nitric Oxide and Viral Cardiomyopathy, 2162
Plasma Cytokine Parameters and Mortality in Patients With Chronic Heart Failure, 3060
Plasma Disappearance of Albumin and Impact of Capillary Thickness in Idiopathic Dilated Cardiomyopathy and After Heart Transplantation, 319
Progress in Heart Failure Management? Lessons from the Real World, 1076
Pulmonary Release and Coronary and Peripheral Consumption of Big Endothelin and Endothelin-1 in Severe Heart Failure: Acute Effects of Vasodilator Therapy, 1132
Pulsatile Flow in Patients With a Novel Nonpulsatile Implantable Ventricular Assist Device, III-183
Quantitative General Theory for Periodic Breathing in Chronic Heart Failure and its Clinical Implications, 2214

Regulation of Cardiac Contraction and Relaxation, IV-69
Renal Function, Neurohormonal Activation, and Survival in Patients With Chronic Heart Failure, 203
Reverse Remodeling of Cardiac Myocyte Hypertrophy in Hypertension and Failure by Targeting of the Renin-Angiotensin System, 253
Secondary Pulmonary Hypertension in Chronic Heart Failure: The Role of the Endothelium in Pathophysiology and Management, 1718
Selective Endothelin-A Versus Combined Endothelin-A/Endothelin-B Receptor Blockade in Rat Chronic Heart Failure, 491
Striking Increase of Natriuresis by Low-Dose Spironolactone in Congestive Heart Failure Only in Combination With ACE Inhibition: Mechanistic Evidence to Support RALES, 2325
Sympathetic Neural Burst Amplitude Distribution: A More Specific Indicator of Sympathoexcitation in Human Heart Failure, 2076
Team Management of Patients With Heart Failure: A Statement for Healthcare Professionals From the Cardiovascular Nursing Council of the American Heart Association, 2443
Trastuzumab in the Treatment of Metastatic Breast Cancer: Anticancer Therapy Versus Cardiotoxicity, 272
Use of Placebo in Heart Failure Research: Letter, e187, Response, e187
Use of Targeted Anticytokine Treatments in Heart Failure: Letter, e65
Value of Serum-Soluble Intercellular Adhesion Molecule-1 for the Noninvasive Risk Assessment of Transplant Coronary Artery Disease, Posttransplant Ischemic Events, and Cardiac Graft Failure, 1549
Ventilatory and Heart Rate Responses to Exercise: Better Predictors of Heart Failure Mortality Than Peak Exercise Oxygen Consumption: Letter, e182, Response, e182
What Type of β-Blocker Should Be Used to Treat Chronic Heart Failure? 484

Heart failure, congestive
Nitric Oxide Provokes Tumor Necrosis Factor-α Expression in Adult Feline Myocardium Through a cGMP-Dependent Pathway, 1302

Heart rate
Abnormal Cardiac Autonomic Nervous Activity After Right Ventricular Outflow Tract Reconstruction, 2732
Effects of a Residential Exercise Training on Baroreflex Sensitivity and Heart Rate Variability in Patients With Coronary Artery Disease: A Randomized, Controlled Study, 2588
Low Heart Rate Variability in a 2-Minute Rhythm Strip Predicts Risk of Coronary Heart Disease and Mortality From Several Causes: The ARIC Study, 1239
Reduced Ventricular Response Irregularity Is Associated With Increased Mortality in Patients With Chronic Atrial Fibrillation, 300
Selective Endothelin-A Versus Combined Endothelin-A/Endothelin-B Receptor Blockade in Rat Chronic Heart Failure, 491
Sympathetic Activation by Sildenafil, 3068

Heat shock proteins
Confocal Microscopic Localization of Constitutive and Heat Shock-Induced Proteins HSP70 and HSP27 in the Rat Heart, 1703
Serum Soluble Heat Shock Protein 60 Is Elevated in Subjects With Atherosclerosis in a General Population, 14

Hemodynamics
Arterial Remodeling: Mechanisms and Clinical Implications, 1186
Calcineurin Inhibitor Attenuates the Development and Induces the Regression of Cardiac Hypertrophy in Rats With Salt-Sensitive Hypertension, 1996
Cardiac Exercise Hemodynamics Late After Partial Left Ventriculectomy, III-200
Diastolic Fractional Flow Reserve to Assess the Functional Severity of Moderate Coronary Artery Stenoses: Comparison With Fractional Flow Reserve and Coronary Flow Velocity Reserve, 2365
Differential Effects of β-Blockers in Patients With Heart Failure: A Prospective, Randomized, Double-Blind Comparison of the Long-Term Effects of Metoprolol Versus Carvedilol, 546
Effects of Combined Angiotensin II and Endothelin Receptor Blockade With Developing Heart Failure: Effects on Left Ventricular Performance, 1447
Effects of Respiration and Gravity on Infradiaphragmatic Venous Flow in Normal and Fontan Patients, III-148
Failure of Stroke Volume Augmentation During Exercise and Dobutamine Stress Is Unrelated to Load-Independent Indexes of Right Ventricular Performance After the Mustard Operation, III-154
Impact of Atrioventricular Compliance on Pulmonary Artery Pressure in Mitral Stenosis: An Exercise Echocardiographic Study, 2378
Midterm Echocardiographic Follow-Up After Ross Operation, III-10
Pulmonary Release and Coronary and Peripheral Consumption of Big Endothelin and Endothelin-1 in Severe Heart Failure: Acute Effects of Vasodilator Therapy, 1132
Single-Beat Estimation of End-Systolic Elastance Using Bilinearly Approximated Time-Varying Elastance Curve, 1983
What Type of β-Blocker Should Be Used to Treat Chronic Heart Failure? 484

Hemorrhage
Emergency Polytetrafluoroethylene-Covered Stent Implantation to Treat Coronary Ruptures, 3028

Heparin
Economic Assessment of Platelet Glycoprotein IIb/IIIa Receptor Blockade With Abciximab and Low-Dose Heparin During Percutaneous Coronary Revascularization: Results From the EPILOG Randomized Trial, 2923
Heparin Also Interacts With Selectins and Modulates the Cell Adhesion Process: Letter, e169, Response, e169
Treatment of Proximal Deep Vein Thrombosis With a Novel Synthetic Compound (SR90107A/ORG31540) With Pure Anti-Factor Xa Activity: A Phase II Evaluation, 2726

Hibernation
Altered Adrenergic Receptor Density in Myocardial Hibernation in Humans: A Possible Mechanism of Depressed Myocardial Function, 2599
Hibernation in Noncontracting Mammalian Cardiomyocytes, 3124
Relation of Contractile Reserve of Hibernating Myocardium to Myocardial Structure in Humans: Letter, e189, Response, e189
Spatial Heterogeneity in Fasting and Insulin-Stimulated ^{18}F-2-Deoxyglucose Uptake in Pigs With Hibernating Myocardium, 908

Hirudin
Hirudin Reduces Tissue Factor Expression and Attenuates Graft Arteriosclerosis in Rat Cardiac Allografts, 357

Histamine
Intracoronary Delivery of Adenovirus Encoding Adenylyl Cyclase VI Increases Left Ventricular Function and cAMP-Generating Capacity, 2396

Histopathology
Visualization and Temporal/Spatial Characterization of Cardiac Radiofrequency Ablation Lesions Using Magnetic Resonance Imaging, 698

History of medicine
Lewis A. Conner: Cornell's Osler, 1062

HOE-642
Cardioplegic Strategies for Calcium Control: Low Ca^{2+}, High Mg^{2+}, Citrate, or Na^+/H^+ Exchange Inhibitor HOE-642, III-319

Homocysteine
Effect of Plasma Homocysteine Concentration on Early and Late Events in Patients With Acute Coronary Syndromes, 605

Hormone replacement
C-Reactive Protein and Hormone Replacement Therapy: Letter, e96, Response, e96

Hormones
Antioxidant Effect of Estrogen on Cytomegalovirus-Induced Gene Expression in Coronary Artery Smooth Muscle Cells, 2990
Chronic 17β-Estradiol Replacement Increases Nitric Oxide-Mediated Vasodilation of Guinea Pig Coronary Microcirculation, 445
Differential Effects of Estrogen and Progesterone on AT_1 Receptor Gene Expression in Vascular Smooth Muscle Cells, 1828
Effects of Estrogen Replacement on Infarct Size, Cardiac Remodeling, and the Endothelin System After Myocardial Infarction in Ovariectomized Rats, 2983
Involvement of Cytokines in the Mechanism of Whole-Body Hyperthermia-Induced Cardioprotection, 452
Limitation of Excessive Extracellular Matrix Turnover May Contribute to Survival Benefit of Spironolactone Therapy in Patients With Congestive Heart Failure: Insights From the Randomized Aldactone Evaluation Study (RALES), 2700

Low-Dose Transdermal Testosterone Therapy Improves Angina Threshold in Men With Chronic Stable Angina: A Randomized, Double-Blind, Placebo-Controlled Study, 1906
Peripheral Arterial Disease in Randomized Trial of Estrogen With Progestin in Women With Coronary Heart Disease: The Heart and Estrogen/Progestin Replacement Study, 2228
Renal Function, Neurohormonal Activation, and Survival in Patients With Chronic Heart Failure, 203
Sympathetic Neural Burst Amplitude Distribution: A More Specific Indicator of Sympathoexcitation in Human Heart Failure, 2076

Hydroxytyrosol
Olive Phenol Hydroxytyrosol Prevents Passive Smoking-Induced Oxidative Stress, 2169

Hypercholesterolemia
Altered Myocardial Microvascular 3D Architecture in Experimental Hypercholesterolemia, 2028
Angiogenesis Is Impaired by Hypercholesterolemia: Role of Asymmetric Dimethylarginine, 1414
Gene Transfer of the Serine Elastase Inhibitor Elafin Protects Against Vein Graft Degeneration, III-289
Hypercholesterolemia Inhibits Angiogenesis in Response to Hindlimb Ischemia: Nitric Oxide-Dependent Mechanism, III-370

Hyperemia
Ischemia-Induced Coronary Collateral Growth Is Dependent on Vascular Endothelial Growth Factor and Nitric Oxide, 3098

Hypertension
Acute Pulmonary Embolism, 2441
AHA Dietary Guidelines: Revision 2000: A Statement for Healthcare Professionals From the Nutrition Committee of the American Heart Association, 2284
Alterations in Endogenous Nitric Oxide Production After Cardiopulmonary Bypass in Lambs With Normal and Increased Pulmonary Blood Flow, III-172
Calcineurin Inhibitor Attenuates the Development and Induces the Regression of Cardiac Hypertrophy in Rats With Salt-Sensitive Hypertension, 1996
Cardiac Endothelin System Impairs Left Ventricular Function in Renin-Dependent Hypertension via Decreased Sarcoplasmic Reticulum Ca^{2+} Uptake, 1582
Development of Antibody Against Epitope of Lipoprotein(a) Modified by Oxidation: Evaluation of New Enzyme-Linked Immunosorbent Assay for Oxidized Lipoprotein(a), 1639
Differential Effects of Estrogen and Progesterone on AT_1 Receptor Gene Expression in Vascular Smooth Muscle Cells, 1828
Effects of Antihypertensive Therapy on Glucose and Insulin Metabolism and on Left Ventricular Mass: A Randomized, Double-Blind, Controlled Study of 21 Obese Hypertensives, 1802
Endothelins and Endothelin Receptor Antagonists: Therapeutic Considerations for a Novel Class of Cardiovascular Drugs, 2434
Exaggerated Vascular and Renal Pathology in Endothelin-B Receptor-Deficient Rats With Deoxycorticosterone Acetate-Salt Hypertension, 2765
Genetics of Hypertension, Target-Organ Complications, and Response to Therapy, IV-40
Genome-Wide Linkage Analysis of Systolic and Diastolic Blood Pressure: The Québec Family Study, 1956
Impaired Endothelial Function and Increased Carotid Stiffness in 9-Year-Old Children With Low Birthweight, 2739
Independent Association of High Blood Pressure and Aortic Atherosclerosis: A Population-Based Study, 2087
Insulin Resistance and Hyperinsulinemia: No Independent Relation to Left Ventricular Mass in Humans, 2233
Lisinopril-Mediated Regression of Myocardial Fibrosis in Patients With Hypertensive Heart Disease, 1388
New Issues in the Treatment of Isolated Systolic Hypertension, 1079
Noradrenergic Vascular Hyper-Responsiveness in Human Hypertension Is Dependent on Oxygen Free Radical Impairment of Nitric Oxide Activity, 552
Reverse Remodeling of Cardiac Myocyte Hypertrophy in Hypertension and Failure by Targeting of the Renin-Angiotensin System, 253
Severely Impaired Baroreflex-Buffering in Patients With Monogenic Hypertension and Neurovascular Contact, 2611
Targeting Pathological Remodeling: Concepts of Cardioprotection and Reparation, 1342

Hypertension, pulmonary
Abnormal Pulmonary Artery Pressure Response in Asymptomatic Carriers of Primary Pulmonary Hypertension Gene, 1145
Aerosol Gene Transfer With Inducible Nitric Oxide Synthase Reduces Hypoxic Pulmonary Hypertension and Pulmonary Vascular Remodeling in Rats, 2880
Gene Transfer of Human Prostacyclin Synthase Ameliorates Monocrotaline-Induced Pulmonary Hypertension in Rats, 2005
Hemodynamic Effects of Bosentan, an Endothelin Receptor Antagonist, in Patients With Pulmonary Hypertension, 411
Improvement of von Willebrand Factor Proteolysis After Prostacyclin Infusion in Severe Pulmonary Arterial Hypertension, 2460
Increased Plasma P-Selectin and Decreased Thrombomodulin in Pulmonary Arterial Hypertension Were Improved by Continuous Prostacyclin Therapy, 2720
Plasma Brain Natriuretic Peptide as a Prognostic Indicator in Patients With Primary Pulmonary Hypertension, 865
Primary Pulmonary Hypertension: A Vascular Biology and Translational Research "Work in Progress", 2781
Prostacyclin Analogues Differentially Inhibit Growth of Distal and Proximal Human Pulmonary Artery Smooth Muscle Cells, 3130
Secondary Pulmonary Hypertension in Chronic Heart Failure: The Role of the Endothelium in Pathophysiology and Management, 1718

Hypertension, white coat
Response to Antihypertensive Therapy in Older Patients With Sustained and Nonsustained Systolic Hypertension, 1139

Hyperthermia
Involvement of Cytokines in the Mechanism of Whole-Body Hyperthermia-Induced Cardioprotection, 452

Hypertrophy
Angiotensin-Converting Enzyme Inhibition and Angiotensin II Type 1 Receptor Blockade Prevent Cardiac Remodeling in Pigs After Myocardial Infarction: Role of Tissue Angiotensin II, 1556
Body Composition and Prevalence of Left Ventricular Hypertrophy, 405
Calcineurin Inhibitor Attenuates the Development and Induces the Regression of Cardiac Hypertrophy in Rats With Salt-Sensitive Hypertension, 1996
Cardiac Endothelin System Impairs Left Ventricular Function in Renin-Dependent Hypertension via Decreased Sarcoplasmic Reticulum Ca^{2+} Uptake, 1582
Clinical Features of Hypertrophic Cardiomyopathy Caused by a Lys183 Deletion Mutation in the Cardiac Troponin I Gene, 663
Contractile Adaptations Preserving Cardiac Output Predispose the Hypertrophied Canine Heart to Delayed Afterdepolarization-Dependent Ventricular Arrhythmias, 2145
Enhanced Ca^{2+} Release and Na/Ca Exchange Activity in Hypertrophied Canine Ventricular Myocytes: Potential Link Between Contractile Adaptation and Arrhythmogenesis, 2137
Gene Expression of Brain Natriuretic Peptide in Isolated Atrial and Ventricular Human Myocardium: Influence of Angiotensin II and Diastolic Fiber Length, 3074
Insulin Prevents Cardiomyocytes From Oxidative Stress-Induced Apoptosis Through Activation of PI3 Kinase/Akt, 2873
Insulin Resistance and Hyperinsulinemia: No Independent Relation to Left Ventricular Mass in Humans, 2233
Left Ventricular Hypertrophy: Pathogenesis, Detection, and Prognosis, 470
Lisinopril-Mediated Regression of Myocardial Fibrosis in Patients With Hypertensive Heart Disease, 1388
Microtubule Depolymerization Normalizes In Vivo Myocardial Contractile Function in Dogs With Pressure-Overload Left Ventricular Hypertrophy, 1045
Myocardial Diseases, IV-34
Physiological Induction of a β-Adrenergic Receptor Kinase Inhibitor Transgene Preserves β-Adrenergic Responsiveness in Pressure-Overload Cardiac Hypertrophy, 2751
Response to Antihypertensive Therapy in Older Patients With Sustained and Nonsustained Systolic Hypertension, 1139
Targeting Pathological Remodeling: Concepts of Cardioprotection and Reparation, 1342
Tissue Doppler Imaging Consistently Detects Myocardial Contraction and Relaxation Abnormalities, Irrespective of Cardiac Hypertro-

phy, in a Transgenic Rabbit Model of Human Hypertrophic Cardiomyopathy, 1346

Hypothermia

Reduced Cytosolic Ca^{2+} Loading and Improved Cardiac Function After Cardioplegic Cold Storage of Guinea Pig Isolated Hearts, 1172

Hypoxia

Chronic Hypoxia Stimulates Periarterial Sympathetic Nerve Development in Chicken Embryo, 2892

Hibernation in Noncontracting Mammalian Cardiomyocytes, 3124

Hypoxia/Reoxygenation Stimulates Intracellular Calcium Oscillations in Human Aortic Endothelial Cells, 2541

Percutaneous Coil Embolization of Multiple Arteriovenous Malformations in Left Lung Causing Persistent Hypoxia, e118

I

Idoxifene

Selective Estrogen Receptor Modulator Idoxifene Inhibits Smooth Muscle Cell Proliferation, Enhances Reendothelialization, and Inhibits Neointimal Formation In Vivo After Vascular Injury, III-281

Imaging

Cerebrovascular Disease, IV-75

Differentiation Between Restrictive Cardiomyopathy and Constrictive Pericarditis by Early Diastolic Doppler Myocardial Velocity Gradient at the Posterior Wall, 655

Echocardiographic Characterization of Cardiomyopathy in Friedreich's Ataxia With Tissue Doppler Echocardiographically Derived Myocardial Velocity Gradients, 1276

Effect of Intracoronary γ-Radiation Therapy on In-Stent Restenosis: An Intravascular Ultrasound Analysis from the Gamma-1 Study, 2915

Feasibility of a Novel Blood Noise Reduction Algorithm to Enhance Reproducibility of Ultra-High-Frequency Intravascular Ultrasound Images, 1657

Mechanism of Lumen Enlargement During Intracoronary Stent Implantation: An Intravascular Ultrasound Study, 7

Myocardial Blood Flow and Myocardial Uptake of ^{201}Tl and ^{99m}Tc-Sestamibi During Coronary Vasodilation Induced by CGS-21680, a Selective Adenosine A_{2A} Receptor Agonist, 438

Noninvasive Coronary Angiography by Retrospectively ECG-Gated Multislice Spiral CT, 2823

Noninvasive Imaging of Inflammation by Ultrasound Detection of Phagocytosed Microbubbles, 531

Peripheral Vascular Disease, IV-46

Therapeutic Myocardial Angiogenesis Via Vascular Endothelial Growth Factor Gene Therapy: Moving on Down the Road, 940

Tissue Doppler Imaging Consistently Detects Myocardial Contraction and Relaxation Abnormalities, Irrespective of Cardiac Hypertrophy, in a Transgenic Rabbit Model of Human Hypertrophic Cardiomyopathy, 1346

Treatment of Proximal Deep Vein Thrombosis With a Novel Synthetic Compound (SR90107A/ORG31540) With Pure Anti-Factor Xa Activity: A Phase II Evaluation, 2726

Ultrasound-Guided Strategy for Provisional Stenting With Focal Balloon Combination Catheter: Results From the Randomized Strategy for Intracoronary Ultrasound-Guided PTCA and Stenting (SIPS) Trial, 2497

Uptake of Radiolabeled 2′-Fluoro-2′-Deoxy-5-Iodo-1-β-D-Arabinofuranosyluracil in Cardiac Cells After Adenoviral Transfer of the Herpesvirus Thymidine Kinase Gene: The Cellular Basis for Cardiac Gene Imaging, 948

Visualization of Fibrous Cap Thickness and Rupture in Human Atherosclerotic Carotid Plaque In Vivo With High-Resolution Magnetic Resonance Imaging, 959

Immune system

Functional Protection by Acute Phase Proteins α_1-Acid Glycoprotein and α_1-Antitrypsin Against Ischemia/Reperfusion Injury by Preventing Apoptosis and Inflammation, 1420

Humoral Immune Response During Coronary Artery Bypass Grafting: A Comparison of Limited Approach, "Off-Pump" Technique, and Conventional Cardiopulmonary Bypass, III-95

Plasma Cytokine Parameters and Mortality in Patients With Chronic Heart Failure, 3060

Transfer of $CD4^+$ T Cells Aggravates Atherosclerosis in Immunodeficient Apolipoprotein E Knockout Mice, 2919

Immunoassay

Development of Antibody Against Epitope of Lipoprotein(a) Modified by Oxidation: Evaluation of New Enzyme-Linked Immunosorbent Assay for Oxidized Lipoprotein(a), 1639

Immunohistochemistry

Confocal Microscopic Localization of Constitutive and Heat Shock-Induced Proteins HSP70 and HSP27 in the Rat Heart, 1703

Monocyte Chemoattractant Protein-1 is Upregulated in Rats With Volume-Overload Congestive Heart Failure, 1315

Immunology

Ex Vivo Antisense Oligonucleotides to Proliferating Cell Nuclear Antigen and Cdc2 Kinase Inhibit Graft Coronary Artery Disease, III-237

Host Response to Cytomegalovirus Infection as a Determinant of Susceptibility to Coronary Artery Disease: Sex-Based Differences in Inflammation and Type of Immune Response, 2491

Infections, Immunity, and Atherosclerosis: Associations of Antibodies to *Chlamydia pneumoniae*, *Helicobacter pylori*, and Cytomegalovirus With Immune Reactions to Heat-Shock Protein 60 and Carotid or Femoral Atherosclerosis, 833

A Prospective Analysis of the Immunogenicity of Cryopreserved Nonvalved Allografts Used in Pediatric Heart Surgery, III-179

Skin Cancer in Heart Transplant Recipients: Risk Factor Analysis and Relevance of Immunosuppressive Therapy, III-222

Immunology system

Adoptive Transfer of β_2-Glycoprotein I-Reactive Lymphocytes Enhances Early Atherosclerosis in LDL Receptor-Deficient Mice, 1822

Infant

Diastolic Biomechanics in Normal Infants Utilizing MRI Tissue Tagging, 218

Infarction

Inadequate Response to Treatment in Coronary Heart Disease: Adverse Effects of Type D Personality and Younger Age on 5-Year Prognosis and Quality of Life, 630

Intramyocardial Transplantation of Autologous Myoblasts: Can Tissue Processing Be Optimized? III-210

Na^+/H^+ Exchange Inhibitor Cariporide Attenuates Cell Injury Predominantly During Ischemia and Not at Onset of Reperfusion in Porcine Hearts With Low Residual Blood Flow, 1977

Infection

Association of Influenza Vaccination and Reduced Risk of Recurrent Myocardial Infarction, 3039

Herpesvirus Infection Accelerates Atherosclerosis in the Apolipoprotein E-Deficient Mouse, 779

Host Response to Cytomegalovirus Infection as a Determinant of Susceptibility to Coronary Artery Disease: Sex-Based Differences in Inflammation and Type of Immune Response, 2491

Infections During Left Ventricular Assist Device Support Do Not Affect Posttransplant Outcomes, III-194

Infections, Immunity, and Atherosclerosis: Associations of Antibodies to *Chlamydia pneumoniae*, *Helicobacter pylori*, and Cytomegalovirus With Immune Reactions to Heat-Shock Protein 60 and Carotid or Femoral Atherosclerosis, 833

Nitric Oxide and Viral Cardiomyopathy, 2162

Risk Factors for Infective Endocarditis: Oral Hygiene and Nondental Exposures, 2842

Serum Soluble Heat Shock Protein 60 Is Elevated in Subjects With Atherosclerosis in a General Population, 14

Inflammation

Activation of the Heart by Donor Brain Death Accelerates Acute Rejection After Transplantation, 2426

Chronic Subclinical Inflammation as Part of the Insulin Resistance Syndrome: The Insulin Resistance Atherosclerosis Study (IRAS), 42

Congenital Deficiency of Nitric Oxide Synthase 2 Protects Against Endotoxin-Induced Myocardial Dysfunction in Mice, 1440

Elevated C-Reactive Protein Levels and Impaired Endothelial Vasoreactivity in Patients With Coronary Artery Disease, 1000

Elevated Levels of Plasma C-Reactive Protein Are Associated With Decreased Graft Survival in Cardiac Transplant Recipients, 2100

Genetic Differences in Endothelial Cells May Determine Atherosclerosis Susceptibility, 5

Host Response to Cytomegalovirus Infection as a Determinant of Susceptibility to Coronary Artery Disease: Sex-Based Differences in Inflammation and Type of Immune Response, 2491
Increased Activity of Nuclear Factor-κB Participates in Cardiovascular Remodeling Induced by Chronic Inhibition of Nitric Oxide Synthesis in Rats, 806
Noninvasive Imaging of Inflammation by Ultrasound Detection of Phagocytosed Microbubbles, 531
Noninvasive Ultrasound Imaging of Inflammation Using Microbubbles Targeted to Activated Leukocytes, 2745
Overexpression of Eotaxin and the CCR3 Receptor in Human Atherosclerosis: Using Genomic Technology to Identify a Potential Novel Pathway of Vascular Inflammation, 2185
Plasma Homocysteine Predicts Mortality Independently of Traditional Risk Factors and C-Reactive Protein in Patients With Angiographically Defined Coronary Artery Disease, 1227
Role of Monocyte Chemoattractant Protein-1 in Cardiovascular Remodeling Induced by Chronic Blockade of Nitric Oxide Synthesis, 2243
Serum Soluble Heat Shock Protein 60 Is Elevated in Subjects With Atherosclerosis in a General Population, 14
Suppression of Inflammation in Primary Systemic Vasculitis Restores Vascular Endothelial Function: Lessons for Atherosclerotic Disease? 1470
Systemic Inflammatory Response in Cardiac Allograft Vasculopathy: High-Sensitive C-Reactive Protein Is Associated With Progressive Luminal Obstruction, III-233
Thrombomodulin Overexpression to Limit Neointima Formation, 332
Vesnarinone Restores Contractility and Calcium Handling in Early Endotoxemia, III-365

Influenza vaccine
Association of Influenza Vaccination and Reduced Risk of Recurrent Myocardial Infarction, 3039

Inhibitors
Angiotensin-Converting Enzyme Inhibition and Angiotensin II Type 1 Receptor Blockade Prevent Cardiac Remodeling in Pigs After Myocardial Infarction: Role of Tissue Angiotensin II, 1556
Congenital Deficiency of Nitric Oxide Synthase 2 Protects Against Endotoxin-Induced Myocardial Dysfunction in Mice, 1440
Effect of Chronic Treatment With the Inducible Nitric Oxide Synthase Inhibitor N-Iminoethyl-L-Lysine or With L-Arginine on Progression of Coronary and Aortic Atherosclerosis in Hypercholesterolemic Rabbits, 1033
Endogenous Tissue Factor Pathway Inhibitor Modulates Thrombus Formation in an In Vivo Model of Rabbit Carotid Artery Stenosis and Endothelial Injury, 113
Flow Cytometric Monitoring of Glycoprotein IIb/IIIa Blockade and Platelet Function in Patients With Acute Myocardial Infarction Receiving Reteplase, Abciximab, and Ticlopidine: Continuous Platelet Inhibition by the Combination of Abciximab and Ticlopidine, 1490
Pronounced Benefit of Coronary Stenting and Adjunctive Platelet Glycoprotein IIb/IIIa Inhibition in Complex Atherosclerotic Lesions, 28
Prospective, Randomized, Infancy-Onset Trial of the Effects of a Low-Saturated-Fat, Low-Cholesterol Diet on Serum Lipids and Lipoproteins Before School Age: The Special Turku Coronary Risk Factor Intervention Project (STRIP), 1477

Inotropic agents
Acute Hemodynamic and Clinical Effects of Levosimendan in Patients With Severe Heart Failure, 2222

Inotropy
Regulation of Cardiac Contraction and Relaxation, IV-69

Insulin
Chronic Subclinical Inflammation as Part of the Insulin Resistance Syndrome: The Insulin Resistance Atherosclerosis Study (IRAS), 42
Effects of Antihypertensive Therapy on Glucose and Insulin Metabolism and on Left Ventricular Mass: A Randomized, Double-Blind, Controlled Study of 21 Obese Hypertensives, 1802
Hypertriglyceridemic Waist: A Marker of the Atherogenic Metabolic Triad (Hyperinsulinemia, Hyperapolipoprotein B, Small, Dense LDL) in Men? 179
Insulin Prevents Cardiomyocytes From Oxidative Stress-Induced Apoptosis Through Activation of PI3 Kinase/Akt, 2873
Insulin Resistance and Hyperinsulinemia: No Independent Relation to Left Ventricular Mass in Humans, 2233
Spatial Heterogeneity in Fasting and Insulin-Stimulated ^{18}F-2-Deoxyglucose Uptake in Pigs With Hibernating Myocardium, 908

Insulin resistance syndrome
Chronic Subclinical Inflammation as Part of the Insulin Resistance Syndrome: The Insulin Resistance Atherosclerosis Study (IRAS), 42

Intelligence
Cognitive Development After the Fontan Operation, 883

Interleukins
Humoral Immune Response During Coronary Artery Bypass Grafting: A Comparison of Limited Approach, "Off-Pump" Technique, and Conventional Cardiopulmonary Bypass, III-95
Involvement of Cytokines in the Mechanism of Whole-Body Hyperthermia-Induced Cardioprotection, 452
Serotonin Increases Interleukin-6 Synthesis in Human Vascular Smooth Muscle Cells, 2522
Trypanosoma cruzi-Infected Cardiomyocytes Produce Chemokines and Cytokines That Trigger Potent Nitric Oxide-Dependent Trypanocidal Activity, 3003

Intima-media thickness
Relationship Between Circadian Blood Pressure Patterns and Progression of Early Carotid Atherosclerosis: A 3-Year Follow-Up Study, 1536

Ion channels
Adenosine Primes the Opening of Mitochondrial ATP-Sensitive Potassium Channels: A Key Step in Ischemic Preconditioning? 800
Altered Stoichiometry of FKBP12.6 Versus Ryanodine Receptor as a Cause of Abnormal Ca^{2+} Leak Through Ryanodine Receptor in Heart Failure, 2131
Cardioprotective Mechanism of Ischemic Preconditioning Is Impaired by Postinfarct Ventricular Remodeling Through Angiotensin II Type 1 Receptor Activation, 458
Chronic α-Adrenergic Receptor Stimulation Modulates the Contractile Phenotype of Cardiac Myocytes In Vitro, 2249
Molecular Pharmacology of the Sodium Channel Mutation D1790G Linked to the Long-QT Syndrome, 921
New Mechanism of Antiarrhythmic Drug Action: Increasing L-Type Calcium Current Prevents Reentrant Ventricular Tachycardia in the Infarcted Canine Heart, 2417
Nicotine Is a Potent Blocker of the Cardiac A-Type K^+ Channels: Effects on Cloned Kv4.3 Channels and Native Transient Outward Current, 1165
Primary Pulmonary Hypertension: A Vascular Biology and Translational Research "Work in Progress", 2781

Ions
G-Protein β_3-Subunit 825T Allele Is Associated With Enhanced Human Atrial Inward Rectifier Potassium Currents, 692
Na^+/H^+ Exchange Inhibitor Cariporide Attenuates Cell Injury Predominantly During Ischemia and Not at Onset of Reperfusion in Porcine Hearts With Low Residual Blood Flow, 1977

I_{Kr} blockers
Sildenafil (Viagra) Prolongs Cardiac Repolarization by Blocking the Rapid Component of the Delayed Rectifier Potassium Current, 275

Ischemia
Acute Coronary Findings at Autopsy in Heart Failure Patients With Sudden Death: Results From the Assessment of Treatment With Lisinopril and Survival (ATLAS) Trial, 611
Acute Endothelin-A Receptor Antagonism Prevents Normal Reduction of Myocardial Ischemia on Repeated Balloon Inflations During Angioplasty, 1937
Adenosine Primes the Opening of Mitochondrial ATP-Sensitive Potassium Channels: A Key Step in Ischemic Preconditioning? 800
Adenovirus-Mediated $VEGF_{121}$ Gene Transfer Stimulates Angiogenesis in Normoperfused Skeletal Muscle and Preserves Tissue Perfusion After Induction of Ischemia, 565
Altered Adrenergic Receptor Density in Myocardial Hibernation in Humans: A Possible Mechanism of Depressed Myocardial Function, 2599
Angiogenesis Is Induced in a Rabbit Model of Hindlimb Ischemia by Naked DNA Encoding an HIF-1α/VP16 Hybrid Transcription Factor, 2255

Anti-Stunning and Anti-Infarct Effects of Adenosine-Enhanced Ischemic Preconditioning, III-326
Brief Antecedent Ischemia Enhances Recombinant Tissue Plasminogen Activator-Induced Coronary Thrombolysis by Adenosine-Mediated Mechanism, 88
Cardioplegic Strategies for Calcium Control: Low Ca^{2+}, High Mg^{2+}, Citrate, or Na^+/H^+ Exchange Inhibitor HOE-642, III-319
Clinical and Therapeutic Profile of Patients Presenting With Acute Coronary Syndromes Who Do Not Have Significant Coronary Artery Disease, 1101
Common Cholesteryl Ester Transfer Protein Mutations, Decreased HDL Cholesterol, and Possible Decreased Risk of Ischemic Heart Disease: The Copenhagen City Heart Study, 2197
Coordinate-Free Analysis of Mitral Valve Dynamics in Normal and Ischemic Hearts, III-62
Cyclic Nucleotide Phosphodiesterase Type 5 Activity Limits Blood Flow to Hypoperfused Myocardium During Exercise, 2997
Diastolic Fractional Flow Reserve to Assess the Functional Severity of Moderate Coronary Artery Stenoses: Comparison With Fractional Flow Reserve and Coronary Flow Velocity Reserve, 2365
Evidence for Antigen-Driven T-Cell Response in Unstable Angina, 1114
Functional Protection by Acute Phase Proteins α_1-Acid Glycoprotein and α_1-Antitrypsin Against Ischemia/Reperfusion Injury by Preventing Apoptosis and Inflammation, 1420
Gene Therapy for Myocardial Protection: Transfection of Donor Hearts With Heat Shock Protein 70 Gene Protects Cardiac Function Against Ischemia-Reperfusion Injury, III-302
Inducible Nitric Oxide Synthase Mediates Delayed Myocardial Protection Induced by Activation of Adenosine A_1 Receptors: Evidence From Gene-Knockout Mice, 902
Inhibition of the Sodium-Hydrogen Exchanger With Cariporide to Prevent Myocardial Infarction in High-Risk Ischemic Situations: Main Results of the GUARDIAN Trial, 3032
Involvement of CD95/Apo1/Fas in Cell Death After Myocardial Ischemia, 915
Ischemia-Reperfusion Injury at the Microvascular Level: Treatment by Endothelin A-Selective Antagonist and Evaluation by Myocardial Contrast Echocardiography, 3111
Ischemic but Not Pharmacological Preconditioning Requires Protein Synthesis, III-312
Lack of Direct Role for Calcium in Ischemic Diastolic Dysfunction in Isolated Hearts, 2643
Left Ventricular Electromechanical Mapping to Assess Efficacy of $phVEGF_{165}$ Gene Transfer for Therapeutic Angiogenesis in Chronic Myocardial Ischemia, 965
Lipoprotein Lipase Activity Is Associated With Severity of Angina Pectoris, 1629
Low-Dose Transdermal Testosterone Therapy Improves Angina Threshold in Men With Chronic Stable Angina: A Randomized, Double-Blind, Placebo-Controlled Study, 1906
Minimally Invasive Evaluation of Coronary Microvascular Function by Electron Beam Computed Tomography, 2411
Myocardial Protection by Preconditioning of Heart With Losartan, an Angiotensin III Type 1-Receptor Blocker: Implication of Bradykinin-Dependent and Bradykinin-Independent Mechanisms, III-346
Myocardial Strain by Doppler Echocardiography: Validation of a New Method to Quantify Regional Myocardial Function, 1158
Na^+/H^+ Exchange Inhibitor Cariporide Attenuates Cell Injury Predominantly During Ischemia and Not at Onset of Reperfusion in Porcine Hearts With Low Residual Blood Flow, 1977
Nitric Oxide and Viral Cardiomyopathy, 2162
Postexercise Ischemia Is Associated With Increased Neuropeptide Y in Patients With Coronary Artery Disease, 987
Prospective Study Correlating Fibrinopeptide A, Troponin I, Myoglobin, and Myosin Light Chain Levels With Early and Late Ischemic Events in Consecutive Patients Presenting to the Emergency Department With Chest Pain, 1107
Short- and Intermediate-Term Clinical Outcomes From Direct Myocardial Laser Revascularization Guided by Biosense Left Ventricular Electromechanical Mapping, 1120
Sudden Death and Cardiovascular Collapse in Children With Restrictive Cardiomyopathy, 876

Isoprostanes
Olive Phenol Hydroxytyrosol Prevents Passive Smoking-Induced Oxidative Stress, 2169
Oxidant Stress and Aspirin-Insensitive Thromboxane Biosynthesis in Severe Unstable Angina, 1007

Isotopes
Perinatal Changes in Myocardial Metabolism in Lambs, 926

K

Kidney
Does Folic Acid Decrease Plasma Homocysteine and Improve Endothelial Funct'on in Patients With Predialysis Renal Failure? 871
Effect of Renal Artery Stenting on Renal Function and Size in Patients With Atherosclerotic Renovascular Disease, 1671
Functional Protection by Acute Phase Proteins α_1-Acid Glycoprotein and α_1-Antitrypsin Against Ischemia/Reperfusion Injury by Preventing Apoptosis and Inflammation, 1420
Renal Function, Neurohormonal Activation, and Survival in Patients With Chronic Heart Failure, 203
Risks of Morbidity and Mortality in Dialysis Patients Undergoing Coronary Artery Bypass Surgery, 2973
Striking Increase of Natriuresis by Low-Dose Spironolactone in Congestive Heart Failure Only in Combination With ACE Inhibition: Mechanistic Evidence to Support RALES, 2325

Kinases
Inhibition of Vascular Smooth Muscle Cell Proliferation by Sodium Salicylate Mediated by Upregulation of $p21^{Waf1}$ and $p27^{Kip1}$, 2124
Ischemic Inactivation of G Protein-Coupled Receptor Kinase and Altered Desensitization of Canine Cardiac β-Adrenergic Receptors, 2535

Kinetics
Domperidone Should Not Be Considered a No-Risk Alternative to Cisapride in the Treatment of Gastrointestinal Motility Disorders, 1883

L

L-NIL
Effect of Chronic Treatment With the Inducible Nitric Oxide Synthase Inhibitor N-Iminoethyl-L-Lysine or With L-Arginine on Progression of Coronary and Aortic Atherosclerosis in Hypercholesterolemic Rabbits, 1033

Lasers
Reduction of Vein Graft Disease Using Photodynamic Therapy with Motexafin Lutetium in a Rodent Isograft Model, III-275
Short- and Intermediate-Term Clinical Outcomes From Direct Myocardial Laser Revascularization Guided by Biosense Left Ventricular Electromechanical Mapping, 1120

Left ventricular function
Relationship of Infarct Artery Patency and Left Ventricular Ejection Fraction to Health-Related Quality of Life After Myocardial Infarction: The GUSTO-I Angiographic Study Experience, 1245

Lesion
Pronounced Benefit of Coronary Stenting and Adjunctive Platelet Glycoprotein IIb/IIIa Inhibition in Complex Atherosclerotic Lesions, 28

Leukocytes
Angiotensin II Induces Leukocyte-Endothelial Cell Interactions In Vivo Via AT_1 and AT_2 Receptor-Mediated P-Selectin Upregulation, 2118
Cryopreservation of Rat Aortic Valves Results in Increased Structural Failure, III-75
Gene Transfer of the Serine Elastase Inhibitor Elafin Protects Against Vein Graft Degeneration, III-289
Noninvasive Imaging of Inflammation by Ultrasound Detection of Phagocytosed Microbubbles, 531
Noninvasive Ultrasound Imaging of Inflammation Using Microbubbles Targeted to Activated Leukocytes, 2745
Roles of P-Selectin in Inflammation, Neointimal Formation, and Vascular Remodeling in Balloon-Injured Rat Carotid Arteries, 1710

Lifestyle
Aging, Habitual Exercise, and Dynamic Arterial Compliance, 1270

Ligands
Endogenous Na,K Pump Ligands Are Differentially Regulated During Acute NaCl Loading of Dahl Rats, 3009
Lipids
Adriamycin-Induced Early Changes in Myocardial Antioxidant Enzymes and Their Modulation by Probucol, 2105
Common Cholesteryl Ester Transfer Protein Mutations, Decreased HDL Cholesterol, and Possible Decreased Risk of Ischemic Heart Disease: The Copenhagen City Heart Study, 2197
Effect of Cholesterol-Lowering Therapy on Coronary Endothelial Vasomotor Function in Patients With Coronary Artery Disease, 846
Effect of Pravastatin on Coronary Disease Events in Subgroups Defined by Coronary Risk Factors: The Prospective Pravastatin Pooling Project, 1893
Effects of Vitamin E Supplementation on F_2-Isoprostane and Thromboxane Biosynthesis in Healthy Cigarette Smokers, 539
Hypertriglyceridemic Waist: A Marker of the Atherogenic Metabolic Triad (Hyperinsulinemia, Hyperapolipoprotein B, Small, Dense LDL) in Men? 179
Lipoprotein Lipase Activity Is Associated With Severity of Angina Pectoris, 1629
Long-Term Effects on Clinical Outcomes of Aggressive Lowering of Low-Density Lipoprotein Cholesterol Levels and Low-Dose Anticoagulation in the Post Coronary Artery Bypass Graft Trial, 157
Olive Phenol Hydroxytyrosol Prevents Passive Smoking-Induced Oxidative Stress, 2169
Risk Reduction, IV-94
Secondary Prevention by Raising HDL Cholesterol and Reducing Triglycerides in Patients With Coronary Artery Disease: The Bezafibrate Infarction Prevention (BIP) Study, 21
Secondary Prevention of Coronary Heart Disease: The Role of Fibric Acids, 2
Lipoprotein lipase
Myocardial Ischemia and Lipoprotein Lipase Activity, 1600
Lipoproteins
Alcohol Consumption Raises HDL Cholesterol Levels by Increasing the Transport Rate of Apolipoproteins A-I and A-II, 2347
CC Chemokine I-309 Is the Principal Monocyte Chemoattractant Induced by Apolipoprotein(a) in Human Vascular Endothelial Cells, 786
Circulating Immune Complexes in 50-Year-Old Men as a Strong and Independent Risk Factor for Myocardial Infarction, 2576
Development of Antibody Against Epitope of Lipoprotein(a) Modified by Oxidation: Evaluation of New Enzyme-Linked Immunosorbent Assay for Oxidized Lipoprotein(a), 1639
Effect of Pravastatin on Coronary Disease Events in Subgroups Defined by Coronary Risk Factors: The Prospective Pravastatin Pooling Project, 1893
Endothelial Dysfunction in Men With Small LDL Particles, 716
Endothelial Responses to Oxidized Lipoproteins Determine Genetic Susceptibility to Atherosclerosis in Mice, 75
Evidence for Oxidative Activation of c-Myc-Dependent Nuclear Signaling in Human Coronary Smooth Muscle Cells and in Early Lesions of Watanabe Heritable Hyperlipidemic Rabbits: Protective Effects of Vitamin E, 2111
Expression of Platelet-Activating Factor Receptor in Human Carotid Atherosclerotic Plaques: Relevance to Progression of Atherosclerosis, 2569
HDL Cholesterol Level Predicts Survival in Men After Coronary Artery Bypass Graft Surgery: 20-Year Experience From The Cleveland Clinic Foundation, III-90
High Antifibrinolytic Activity of Lipoprotein(a) Containing Small Apolipoprotein(a) Isoforms: Letter, e184, Response, e184
Hypertriglyceridemic Waist: A Marker of the Atherogenic Metabolic Triad (Hyperinsulinemia, Hyperapolipoprotein B, Small, Dense LDL) in Men? 179
Lipoprotein Lipase Activity Is Associated With Severity of Angina Pectoris, 1629
Lipoprotein(a) and Coronary Heart Disease: Meta-Analysis of Prospective Studies, 1082
Oral Magnesium Therapy Improves Endothelial Function in Patients With Coronary Artery Disease, 2353
Oxidized LDL Upregulates Angiotensin II Type 1 Receptor Expression in Cultured Human Coronary Artery Endothelial Cells: The Potential Role of Transcription Factor NF-κB, 1970
Oxidized Low-Density Lipoprotein Is Associated With Apoptosis of Vascular Smooth Muscle Cells in Human Atherosclerotic Plaques, 2680
Remnant Lipoproteins Induce Proatherothrombogenic Molecules in Endothelial Cells Through a Redox-Sensitive Mechanism, 670
Secondary Prevention by Raising HDL Cholesterol and Reducing Triglycerides in Patients With Coronary Artery Disease: The Bezafibrate Infarction Prevention (BIP) Study, 21
Tissue Endothelin-Converting Enzyme Activity Correlates With Cardiovascular Risk Factors in Coronary Artery Disease, 1086
Vitamin E Reduces the Uptake of Oxidized LDL by Inhibiting CD36 Scavenger Receptor Expression in Cultured Aortic Smooth Muscle Cells, 82
VLDL, Apolipoproteins B, CIII, and E, and Risk of Recurrent Coronary Events in the Cholesterol and Recurrent Events (CARE) Trial, 1886
Long-QT syndrome
Effects of a K^+ Channel Opener to Reduce Transmural Dispersion of Repolarization and Prevent Torsade de Pointes in LQT1, LQT2, and LQT3 Models of the Long-QT Syndrome, 706
The Elusive Link Between LQT3 and Brugada Syndrome: The Role of Flecainide Challenge, 945
Spectrum of Mutations in Long-QT Syndrome Genes: *KVLQT1*, *HERG*, *SCN5A*, *KCNE1*, and *KCNE2*, 1178
Spectrum of ST-T-Wave Patterns and Repolarization Parameters in Congenital Long-QT Syndrome: ECG Findings Identify Genotypes, 2849
Lung
Alterations in Endogenous Nitric Oxide Production After Cardiopulmonary Bypass in Lambs With Normal and Increased Pulmonary Blood Flow, III-172
Electrophysiological Breakthroughs From the Left Atrium to the Pulmonary Veins, 2463
Pulmonary Capillary Endothelium-Bound Angiotensin-Converting Enzyme Activity in Acute Lung Injury, 2011
Pulmonary Release and Coronary and Peripheral Consumption of Big Endothelin and Endothelin-1 in Severe Heart Failure: Acute Effects of Vasodilator Therapy, 1132
Lusitropy
Regulation of Cardiac Contraction and Relaxation, IV-69
Lymphocytes
Adoptive Transfer of β_2-Glycoprotein I-Reactive Lymphocytes Enhances Early Atherosclerosis in LDL Receptor-Deficient Mice, 1822
Cryopreservation of Rat Aortic Valves Results in Increased Structural Failure, III-75
Detection of *Chlamydia pneumoniae* DNA in CD3+ Lymphocytes From Healthy Blood Donors and Patients With Coronary Artery Disease, 2341
Evidence for Antigen-Driven T-Cell Response in Unstable Angina, 1114
Specific Cellular Features of Atheroma Associated With Development of Neointima After Carotid Endarterectomy: The Carotid Atherosclerosis and Restenosis Study, 771
Transfer of $CD4^+$ T Cells Aggravates Atherosclerosis in Immunodeficient Apolipoprotein E Knockout Mice, 2919

M

Macrophages
Expression of Platelet-Activating Factor Receptor in Human Carotid Atherosclerotic Plaques: Relevance to Progression of Atherosclerosis, 2569
Magnesium
Cardioplegic Strategies for Calcium Control: Low Ca^{2+}, High Mg^{2+}, Citrate, or Na^+/H^+ Exchange Inhibitor HOE-642, III-319
Oral Magnesium Therapy Improves Endothelial Function in Patients With Coronary Artery Disease, 2353
Magnetic resonance imaging
Diastolic Biomechanics in Normal Infants Utilizing MRI Tissue Tagging, 218

Early Assessment of Myocardial Salvage by Contrast-Enhanced Magnetic Resonance Imaging, 1678
Noninvasive Coronary Vessel Wall and Plaque Imaging With Magnetic Resonance Imaging, 2582
Noninvasive In Vivo Human Coronary Artery Lumen and Wall Imaging Using Black-Blood Magnetic Resonance Imaging, 506
Thyroid Hormone Coordinates Respiratory Control Maturation and Adenine Nucleotide Translocator Expression in Heart In Vivo, 1323
Visualization and Temporal/Spatial Characterization of Cardiac Radiofrequency Ablation Lesions Using Magnetic Resonance Imaging, 698
Visualization of Fibrous Cap Thickness and Rupture in Human Atherosclerotic Carotid Plaque In Vivo With High-Resolution Magnetic Resonance Imaging, 959

Mapping
Circumferential Radiofrequency Ablation of Pulmonary Vein Ostia: A New Anatomic Approach for Curing Atrial Fibrillation, 2619
Cryothermal Ablation of the Slow Pathway for the Elimination of Atrioventricular Nodal Reentrant Tachycardia, 2856
Electromagnetic Versus Fluoroscopic Mapping of the Inferior Isthmus for Ablation of Typical Atrial Flutter: A Prospective Randomized Study, 2082
Electrophysiological Mapping and Ablation of Intra-Atrial Reentry Tachycardia After Fontan Surgery With the Use of a Noncontact Mapping System, 419
Left Ventricular Electromechanical Mapping to Assess Efficacy of phVEGF$_{165}$ Gene Transfer for Therapeutic Angiogenesis in Chronic Myocardial Ischemia, 965
Mechanisms of Ventricular Fibrillation Induction by 60-Hz Alternating Current in Isolated Swine Right Ventricle, 1569
New Mechanism of Antiarrhythmic Drug Action: Increasing L-Type Calcium Current Prevents Reentrant Ventricular Tachycardia in the Infarcted Canine Heart, 2417
Peeking Under the Peaks: Following Up Genome-Wide Linkage Analyses, 1877

Mechanics
Surgical Management of Mitral Regurgitation After Repair of Endocardial Cushion Defects: Early and Midterm Results, III-160

Mediastinum
Unusual Case of Widened Mediastinum, e171

Men
Physical Activity and Coronary Heart Disease in Men: The Harvard Alumni Health Study, 975
Physical Activity and Coronary Heart Disease Risk in Men: Does the Duration of Exercise Episodes Predict Risk? 981

Mental stress
Mental Stress Induces Transient Endothelial Dysfunction in Humans, 2473

Mentorship
Training the Next Generation of Biomedical Researchers: Challenges and Opportunities, 368

Mercury
Fish Oil-Derived Fatty Acids, Docosahexaenoic Acid and Docosapentaenoic Acid, and the Risk of Acute Coronary Events: The Kuopio Ischaemic Heart Disease Risk Factor Study, 2677

Meta-analysis
Effect of Pravastatin on Coronary Disease Events in Subgroups Defined by Coronary Risk Factors: The Prospective Pravastatin Pooling Project, 1893
Lipoprotein(a) and Coronary Heart Disease: Meta-Analysis of Prospective Studies, 1082

Metabolism
Alcohol Consumption Raises HDL Cholesterol Levels by Increasing the Transport Rate of Apolipoproteins A-I and A-II, 2347
Angiotensin-Converting Enzyme Insertion/Deletion Polymorphism Modulates the Human In Vivo Metabolism of Bradykinin, 829
Effect of Dietary Patterns on Serum Homocysteine: Results of a Randomized, Controlled Feeding Study, 852
The Effects of β_1-Blockade on Oxidative Metabolism and the Metabolic Cost of Ventricular Work in Patients With Left Ventricular Dysfunction: A Double-Blind, Placebo-Controlled, Positron-Emission Tomography Study, 2070
Genetics of Cardiovascular Disease, IV-103
Heart Failure Affects Mitochondrial but Not Myofibrillar Intrinsic Properties of Skeletal Muscle, 1847
Hibernation in Noncontracting Mammalian Cardiomyocytes, 3124
Oral Glycoprotein IIb/IIIa Inhibition With Orbofiban in Patients With Unstable Coronary Syndromes (OPUS-TIMI 16) Trial, 149
Perinatal Changes in Myocardial Metabolism in Lambs, 926
Thyroid Hormone Coordinates Respiratory Control Maturation and Adenine Nucleotide Translocator Expression in Heart In Vivo, 1323

Metalloproteinases
Angiotensin-Converting Enzyme Insertion/Deletion Polymorphism Modulates the Human In Vivo Metabolism of Bradykinin, 829
Matrix Matters, 1874
A Matrix Metalloproteinase Induction/Activation System Exists in the Human Left Ventricular Myocardium and Is Upregulated in Heart Failure, 1944
Potential Contribution of a Novel Antifibrotic Factor, Hepatocyte Growth Factor, to Prevention of Myocardial Fibrosis by Angiotensin II Blockade in Cardiomyopathic Hamsters, 246
Remodeling of Carotid Artery Is Associated With Increased Expression of Matrix Metalloproteinases in Mouse Blood Flow Cessation Model, 2861
Shear Stress Downregulation of Platelet-Derived Growth Factor Receptor-β and Matrix Metalloprotease-2 Is Associated With Inhibition of Smooth Muscle Cell Invasion and Migration, 225

Mice
Adoptive Transfer of β_2-Glycoprotein I-Reactive Lymphocytes Enhances Early Atherosclerosis in LDL Receptor-Deficient Mice, 1822
Endothelial Responses to Oxidized Lipoproteins Determine Genetic Susceptibility to Atherosclerosis in Mice, 75

Mice, knockout
A Knockout May Not Always Be a Knockout: Letter, e122, Response, e122
Transfer of CD4$^+$ T Cells Aggravates Atherosclerosis in Immunodeficient Apolipoprotein E Knockout Mice, 2919

Microcirculation
Altered Myocardial Microvascular 3D Architecture in Experimental Hypercholesterolemia, 2028
Differential Effects of Eicosapentaenoic Acid and Docosahexaenoic Acid on Vascular Reactivity of the Forearm Microcirculation in Hyperlipidemic, Overweight Men, 1264
Plasma Disappearance of Albumin and Impact of Capillary Thickness in Idiopathic Dilated Cardiomyopathy and After Heart Transplantation, 319

Microneurography
The Elusive Pathophysiology of Neurally Mediated Syncope, 2898

Microtubules
Microtubule Depolymerization Normalizes In Vivo Myocardial Contractile Function in Dogs With Pressure-Overload Left Ventricular Hypertrophy, 1045

Mitochondria
Adenosine Primes the Opening of Mitochondrial ATP-Sensitive Potassium Channels: A Key Step in Ischemic Preconditioning? 800
Heart Failure Affects Mitochondrial but Not Myofibrillar Intrinsic Properties of Skeletal Muscle, 1847
Thyroid Hormone Coordinates Respiratory Control Maturation and Adenine Nucleotide Translocator Expression in Heart In Vivo, 1323

Mitral valve
Coordinate-Free Analysis of Mitral Valve Dynamics in Normal and Ischemic Hearts, III-62
Determinants of the Degree of Functional Mitral Regurgitation in Patients With Systolic Left Ventricular Dysfunction: A Quantitative Clinical Study, 1400
Impact of Atrioventricular Compliance on Pulmonary Artery Pressure in Mitral Stenosis: An Exercise Echocardiographic Study, 2378
The Power-Velocity Integral at the Vena Contracta: A New Method for Direct Quantification of Regurgitant Volume Flow, 1053
Surgical Management of Mitral Regurgitation After Repair of Endocardial Cushion Defects: Early and Midterm Results, III-160
Ten-Year Experience of Chordal Replacement With Expanded Polytetrafluoroethylene in Mitral Valve Repair, III-30

Molecular biology
Elevated Tumor Necrosis Factor-α and Interleukin-6 in Myocardium and Serum of Malfunctioning Donor Hearts, III-352
Monocyte Chemoattractant Protein-1 is Upregulated in Rats With Volume-Overload Congestive Heart Failure, 1315
Red Wine Intake Prevents Nuclear Factor-κB Activation in Peripheral Blood Mononuclear Cells of Healthy Volunteers During Postprandial Lipemia, 1020
Monoclonal antibody
Development of Antibody Against Epitope of Lipoprotein(a) Modified by Oxidation: Evaluation of New Enzyme-Linked Immunosorbent Assay for Oxidized Lipoprotein(a), 1639
Monocytes
Vascular Endothelial Growth Factor-A-Induced Chemotaxis of Monocytes Is Attenuated in Patients With Diabetes Mellitus: A Potential Predictor for the Individual Capacity to Develop Collaterals, 185
Morbidity
Cardiac Troponin T Predicts Mortality in Patients With End-Stage Renal Disease, 1964
Risks of Morbidity and Mortality in Dialysis Patients Undergoing Coronary Artery Bypass Surgery, 2973
Mortality
Association Between White Blood Cell Count, Epicardial Blood Flow, Myocardial Perfusion, and Clinical Outcomes in the Setting of Acute Myocardial Infarction: A Thrombolysis In Myocardial Infarction 10 Substudy, 2329
Cardiac Dysfunction and Mortality in HIV-Infected Children: The Prospective P^2C^2 HIV Multicenter Study, 1542
Cardiac Troponin T Predicts Mortality in Patients With End-Stage Renal Disease, 1964
Depressive Symptoms and Risks of Coronary Heart Disease and Mortality in Elderly Americans, 1773
Explanation for the Decline in Coronary Heart Disease Mortality Rates in Auckland New Zealand Between 1982 and 1993, 1511
HDL Cholesterol Level Predicts Survival in Men After Coronary Artery Bypass Graft Surgery: 20-Year Experience From The Cleveland Clinic Foundation, III-90
Low Heart Rate Variability in a 2-Minute Rhythm Strip Predicts Risk of Coronary Heart Disease and Mortality From Several Causes: The ARIC Study, 1239
Physical Activity and Mortality in Older Men With Diagnosed Coronary Heart Disease, 1358
Plasma Brain Natriuretic Peptide as a Prognostic Indicator in Patients With Primary Pulmonary Hypertension, 865
Plasma Cytokine Parameters and Mortality in Patients With Chronic Heart Failure, 3060
Progress in Heart Failure Management? Lessons from the Real World, 1076
Reduced Ventricular Response Irregularity Is Associated With Increased Mortality in Patients With Chronic Atrial Fibrillation, 300
Results of Immediate Surgical Treatment of All Acute Type A Dissections, III-248
Risks of Morbidity and Mortality in Dialysis Patients Undergoing Coronary Artery Bypass Surgery, 2973
Sex Differences in Management and Outcome After Acute Myocardial Infarction in the 1990s: A Prospective Observational Community-Based Study, 2484
Survival After Reconstructive Surgery for Hypoplastic Left Heart Syndrome: A 15-Year Experience From a Single Institution, III-136
TIMI Risk Score for ST-Elevation Myocardial Infarction: A Convenient, Bedside, Clinical Score for Risk Assessment at Presentation: An Intravenous nPA for Treatment of Infarcting Myocardium Early II Trial Substudy, 2031
Muscle, skeletal
Angiotensin II Receptor Subtypes in the Skeletal Muscle Vasculature of Patients With Severe Congestive Heart Failure, 2210
Heart Failure Affects Mitochondrial but Not Myofibrillar Intrinsic Properties of Skeletal Muscle, 1847
Improvement of Endothelial Function by Chronic Angiotensin-Converting Enzyme Inhibition in Heart Failure: Role of Nitric Oxide, Prostanoids, Oxidant Stress, and Bradykinin, 351
Muscle, smooth
Differential Effects of Estrogen and Progesterone on AT_1 Receptor Gene Expression in Vascular Smooth Muscle Cells, 1828
Ex Vivo Antisense Oligonucleotides to Proliferating Cell Nuclear Antigen and Cdc2 Kinase Inhibit Graft Coronary Artery Disease, III-237
Expression of Platelet-Activating Factor Receptor in Human Carotid Atherosclerotic Plaques: Relevance to Progression of Atherosclerosis, 2569
Inhibition of Vascular Smooth Muscle Cell Proliferation by Sodium Salicylate Mediated by Upregulation of $p21^{Waf1}$ and $p27^{Kip1}$, 2124
Inhibitory Effect of Angiotensin II Type 2 Receptor on Coronary Arterial Remodeling After Aortic Banding in Mice, 1684
Isolation and Characterization of Coenzyme A Glutathione Disulfide as a Parathyroid-Derived Vasoconstrictive Factor, 2548
Overexpression of G Protein-Coupled Receptor Kinase-2 in Smooth Muscle Cells Attenuates Mitogenic Signaling via G Protein-Coupled and Platelet-Derived Growth Factor Receptors, 793
Oxidized LDL Increases the Sensitivity of the Contractile Apparatus in Isolated Resistance Arteries for Ca^{2+} via a Rho- and Rho Kinase-Dependent Mechanism, 2402
Oxidized Low-Density Lipoprotein Is Associated With Apoptosis of Vascular Smooth Muscle Cells in Human Atherosclerotic Plaques, 2680
Peroxisome Proliferator-Activated Receptor γ Activators Downregulate Angiotensin II Type 1 Receptor in Vascular Smooth Muscle Cells, 1834
Prostacyclin Analogues Differentially Inhibit Growth of Distal and Proximal Human Pulmonary Artery Smooth Muscle Cells, 3130
Rapid and Efficient Vascular Transport of Arginine Polymers Inhibits Myointimal Hyperplasia, 2629
Regulated Expression of the BTEB2 Transcription Factor in Vascular Smooth Muscle Cells: Analysis of Developmental and Pathological Expression Profiles Shows Implications as a Predictive Factor for Restenosis, 2528
Serotonin Increases Interleukin-6 Synthesis in Human Vascular Smooth Muscle Cells, 2522
Shear Stress Downregulation of Platelet-Derived Growth Factor Receptor-β and Matrix Metalloprotease-2 Is Associated With Inhibition of Smooth Muscle Cell Invasion and Migration, 225
Specific Cellular Features of Atheroma Associated With Development of Neointima After Carotid Endarterectomy: The Carotid Atherosclerosis and Restenosis Study, 771
Tumor Necrosis Factor-α Promotes In Vitro Calcification of Vascular Cells via the cAMP Pathway, 2636
Muscles
Cardiac-Specific Overexpression of Tumor Necrosis Factor-α Causes Oxidative Stress and Contractile Dysfunction in Mouse Diaphragm, 1690
Intramyocardial Transplantation of Autologous Myoblasts: Can Tissue Processing Be Optimized? III-210
Myocardial contraction
Both β_2- and β_1-Adrenergic Receptors Mediate Hastened Relaxation and Phosphorylation of Phospholamban and Troponin I in Ventricular Myocardium of Fallot Infants. Consistent With Selective Coupling of β_2-Adrenergic, 1814
Intracoronary Delivery of Adenovirus Encoding Adenylyl Cyclase VI Increases Left Ventricular Function and cAMP-Generating Capacity, 2396
Myocardial infarction
Analysis of 12-Lead T-Wave Morphology for Risk Stratification After Myocardial Infarction, 1252
Angiotensin-Converting Enzyme Inhibition and Angiotensin II Type 1 Receptor Blockade Prevent Cardiac Remodeling in Pigs After Myocardial Infarction: Role of Tissue Angiotensin II, 1556
Anti-Stunning and Anti-Infarct Effects of Adenosine-Enhanced Ischemic Preconditioning, III-326
Anticardiolipin Antibodies and Recurrent Coronary Events: A Prospective Study of 1150 Patients, 1258
Association Between White Blood Cell Count, Epicardial Blood Flow, Myocardial Perfusion, and Clinical Outcomes in the Setting of Acute Myocardial Infarction: A Thrombolysis In Myocardial Infarction 10 Substudy, 2329
Association of Influenza Vaccination and Reduced Risk of Recurrent Myocardial Infarction, 3039

Bioengineered Cardiac Grafts: A New Approach to Repair the Infarcted Myocardium? III-56
Brief Antecedent Ischemia Enhances Recombinant Tissue Plasminogen Activator-Induced Coronary Thrombolysis by Adenosine-Mediated Mechanism, 88
Canadian-American Differences in the Management of Acute Coronary Syndromes in the GUSTO IIb Trial: One-Year Follow-Up of Patients Without ST-Segment Elevation, 1375
Cardiomyocyte Death Induced by Myocardial Ischemia and Reperfusion: Measurement With Recombinant Human Annexin-V in a Mouse Model, 1564
Cardioprotective Effect of Prior β-Blocker Therapy in Reducing Creatine Kinase-MB Elevation After Coronary Intervention: Benefit Is Extended to Improvement in Intermediate-Term Survival, 166
Cardioprotective Mechanism of Ischemic Preconditioning Is Impaired by Postinfarct Ventricular Remodeling Through Angiotensin II Type 1 Receptor Activation, 458
Change in Level of Physical Activity and Risk of All-Cause Mortality or Reinfarction: The Corpus Christi Heart Project, 2204
Chlamydia pneumoniae, Herpes Simplex Virus Type 1, and Cytomegalovirus and Incident Myocardial Infarction and Coronary Heart Disease Death in Older Adults: The Cardiovascular Health Study, 2335
Cigarette Smoking: How Much Worse Can It Get? 1340
Circulating Immune Complexes in 50-Year-Old Men as a Strong and Independent Risk Factor for Myocardial Infarction, 2576
A Classification of Unstable Angina Revisited, 118
Considerable Time From the Onset of Plaque Rupture and/or Thrombi Until the Onset of Acute Myocardial Infarction in Humans: Coronary Angiographic Findings Within 1 Week Before the Onset of Infarction, 2063
Diagnostic Marker Cooperative Study for the Diagnosis of Myocardial Infarction, e40
Early Assessment of Myocardial Salvage by Contrast-Enhanced Magnetic Resonance Imaging, 1678
Effects of Estrogen Replacement on Infarct Size, Cardiac Remodeling, and the Endothelin System After Myocardial Infarction in Ovariectomized Rats, 2983
Elevated Troponin I Level on Admission Is Associated With Adverse Outcome of Primary Angioplasty in Acute Myocardial Infarction, 1611
Extensive Troponin I and T Modification Detected in Serum From Patients With Acute Myocardial Infarction, 1221
Favorable Remodeling Enhances Recovery of Regional Myocardial Function in the Weeks After Infarction in Ischemically Preconditioned Hearts, 579
Fish Oil-Derived Fatty Acids, Docosahexaenoic Acid and Docosapentaenoic Acid, and the Risk of Acute Coronary Events: The Kuopio Ischaemic Heart Disease Risk Factor Study, 2677
Glycoprotein IIb/IIIa Receptor Blockade Improves Outcomes in Diabetic Patients Presenting With Unstable Angina/Non-ST-Elevation Myocardial Infarction: Results From the Platelet Receptor Inhibition in Ischemic Syndrome Management in Patients, 2466
Granulomatous Aortitis Presenting as an Acute Myocardial Infarction in Crohn's Disease, 3023
Impact of Diabetes on Long-Term Prognosis in Patients With Unstable Angina and Non-Q-Wave Myocardial Infarction: Results of the OASIS (Organization to Assess Strategies for Ischemic Syndromes) Registry, 1014
Inducible Nitric Oxide Synthase Mediates Delayed Myocardial Protection Induced by Activation of Adenosine A_1 Receptors: Evidence From Gene-Knockout Mice, 902
Inhibition of the Sodium-Hydrogen Exchanger With Cariporide to Prevent Myocardial Infarction in High-Risk Ischemic Situations: Main Results of the GUARDIAN Trial, 3032
Ischemia-Reperfusion Injury at the Microvascular Level: Treatment by Endothelin A-Selective Antagonist and Evaluation by Myocardial Contrast Echocardiography, 3111
Ischemic but Not Pharmacological Preconditioning Requires Protein Synthesis, III-312
Ischemic Inactivation of G Protein-Coupled Receptor Kinase and Altered Desensitization of Canine Cardiac β-Adrenergic Receptors, 2535
It's Time for a Change to a Troponin Standard, 1216
Management of Patients With Acute Coronary Syndromes in the United States by Platelet Glycoprotein IIb/IIIa Inhibition: Insights From the Platelet Glycoprotein IIb/IIIa in Unstable Angina: Receptor Suppression Using Integrilin Therapy (PURSUIT) Trial, 1093
Moderate Alcohol Consumption and Risk of Coronary Heart Disease Among Women With Type 2 Diabetes Mellitus, 487
Multislice Spiral CT Follow-Up of a Patient With Implanted DeBakey Ventricular Assist Device, 1871
Myocardial Infarction After Dog Bite, 713
Myocyte Response to β-Adrenergic Stimulation Is Preserved in the Noninfarcted Myocardium of Globally Dysfunctional Rat Hearts After Myocardial Infarction, 1840
New Mechanism of Antiarrhythmic Drug Action: Increasing L-Type Calcium Current Prevents Reentrant Ventricular Tachycardia in the Infarcted Canine Heart, 2417
A Noninvasive Imaging Modality for Cardiac Arrhythmias, 2152
Oral Glycoprotein IIb/IIIa Inhibition With Orbofiban in Patients With Unstable Coronary Syndromes (OPUS-TIMI 16) Trial, 149
Polyethylene Glycol-Derivatized Cysteine-Substitution Variants of Recombinant Staphylokinase for Single-Bolus Treatment of Acute Myocardial Infarction, 1766
PTX3, A Prototypical Long Pentraxin, Is an Early Indicator of Acute Myocardial Infarction in Humans, 636
Quantitative Ultrasonic Tissue Characterization Can Identify High-Risk Atherosclerotic Alteration in Human Carotid Arteries, 766
Race, Sex, Poverty, and the Medical Treatment of Acute Myocardial Infarction in the Elderly, 642
Relationship of Infarct Artery Patency and Left Ventricular Ejection Fraction to Health-Related Quality of Life After Myocardial Infarction: The GUSTO-I Angiographic Study Experience, 1245
Risk of Cocaine-Induced Myocardial Infarction During Sport: Letter, e17
Risk Stratification in Patients With Inferior Acute Myocardial Infarction Treated by Percutaneous Coronary Interventions: The Role of Admission Troponin T, 2038
Sex and Outcome After Myocardial Infarction: A Case of Sexual Politics? 2458
Sex Differences in Management and Outcome After Acute Myocardial Infarction in the 1990s: A Prospective Observational Community-Based Study, 2484
Socioeconomic Status Is an Important Determinant of the Use of Invasive Procedures After Acute Myocardial Infarction in New York State, III-107
Striking Increase of Natriuresis by Low-Dose Spironolactone in Congestive Heart Failure Only in Combination With ACE Inhibition: Mechanistic Evidence to Support RALES, 2325
Survival Outcomes 1 Year After Reperfusion Therapy With Either Alteplase or Reteplase for Acute Myocardial Infarction: Results From the Global Utilization of Streptokinase and t-PA for Occluded Coronary Arteries (GUSTO) III Trial, 1761
Time to Presentation With Acute Myocardial Infarction in the Elderly: Associations With Race, Sex, and Socioeconomic Characteristics, 1651
TIMI Risk Score for ST-Elevation Myocardial Infarction: A Convenient, Bedside, Clinical Score for Risk Assessment at Presentation: An Intravenous nPA for Treatment of Infarcting Myocardium Early II Trial Substudy, 2031
Treating Electrical Storm: Sympathetic Blockade Versus Advanced Cardiac Life Support-Guided Therapy, 742
Two-Year Changes in Blood Pressure and Subsequent Risk of Cardiovascular Disease in Men, 307

Myocardial infarction, acute
Relationship Between Delay in Performing Direct Coronary Angioplasty and Early Clinical Outcome in Patients With Acute Myocardial Infarction: Letter, e29, Response, e29

Myocardial ischemia
Myocardial Ischemia and Lipoprotein Lipase Activity, 1600

Myocardial revascularization
Improved Regional Wall Motion 6 Months After Direct Myocardial Revascularization (DMR) With the NOGA DMR System, e44

Myocardial structure
Relation of Contractile Reserve of Hibernating Myocardium to Myocardial Structure in Humans: Letter, e189, Response, e189

Myocarditis
Predictors of Disease Course in Patients With Acute Myocarditis, 2829
Spontaneously Occurring Arrhythmogenic Right Ventricular Cardiomyopathy in the Domestic Cat: A New Animal Model Similar to the Human Disease, 1863
Trypanosoma cruzi-Infected Cardiomyocytes Produce Chemokines and Cytokines That Trigger Potent Nitric Oxide-Dependent Trypanocidal Activity, 3003
Myocardium
Echocardiographic Characterization of Cardiomyopathy in Friedreich's Ataxia With Tissue Doppler Echocardiographically Derived Myocardial Velocity Gradients, 1276
Elevated Tumor Necrosis Factor-α and Interleukin-6 in Myocardium and Serum of Malfunctioning Donor Hearts, III-352
Gene Expression of Brain Natriuretic Peptide in Isolated Atrial and Ventricular Human Myocardium: Influence of Angiotensin II and Diastolic Fiber Length, 3074
Left Ventricular Electromechanical Mapping in Stunned Myocardium, e25
A Matrix Metalloproteinase Induction/Activation System Exists in the Human Left Ventricular Myocardium and Is Upregulated in Heart Failure, 1944
Mechanical Unloading Versus Neurohumoral Stimulation on Myocardial Structure and Endocrine Function In Vivo, 338
Short- and Intermediate-Term Clinical Outcomes From Direct Myocardial Laser Revascularization Guided by Biosense Left Ventricular Electromechanical Mapping, 1120
Tumor Necrosis Factor-α Is Expressed in Donor Heart and Predicts Right Ventricular Failure After Human Heart Transplantation, 326
Myocytes
Bioengineered Cardiac Grafts: A New Approach to Repair the Infarcted Myocardium? III-56
Cardiac-Specific Overexpression of Tumor Necrosis Factor-α Causes Oxidative Stress and Contractile Dysfunction in Mouse Diaphragm, 1690
Chronic α-Adrenergic Receptor Stimulation Modulates the Contractile Phenotype of Cardiac Myocytes In Vitro, 2249
Confocal Microscopic Localization of Constitutive and Heat Shock-Induced Proteins HSP70 and HSP27 in the Rat Heart, 1703
Effects of Dopamine β-Hydroxylase Inhibition With Nepicastat on the Progression of Left Ventricular Dysfunction and Remodeling in Dogs With Chronic Heart Failure, 1990
Enhanced Ca^{2+} Release and Na/Ca Exchange Activity in Hypertrophied Canine Ventricular Myocytes: Potential Link Between Contractile Adaptation and Arrhythmogenesis, 2137
G-Protein β_3-Subunit 825T Allele Is Associated With Enhanced Human Atrial Inward Rectifier Potassium Currents, 692
Hibernation in Noncontracting Mammalian Cardiomyocytes, 3124
Inhibitory Effect of Angiotensin II Type 2 Receptor on Coronary Arterial Remodeling After Aortic Banding in Mice, 1684
Insulin Prevents Cardiomyocytes From Oxidative Stress-Induced Apoptosis Through Activation of PI3 Kinase/Akt, 2873
Myocyte Response to β-Adrenergic Stimulation Is Preserved in the Noninfarcted Myocardium of Globally Dysfunctional Rat Hearts After Myocardial Infarction, 1840
PTX3, A Prototypical Long Pentraxin, Is an Early Indicator of Acute Myocardial Infarction in Humans, 636
Reverse Remodeling of Cardiac Myocyte Hypertrophy in Hypertension and Failure by Targeting of the Renin-Angiotensin System, 253
Trypanosoma cruzi-Infected Cardiomyocytes Produce Chemokines and Cytokines That Trigger Potent Nitric Oxide-Dependent Trypanocidal Activity, 3003
Myofibroblasts
Vacuolar H^+-ATPase Plays a Crucial Role in Growth and Phenotypic Modulation of Myofibroblasts in Cultured Human Saphenous Vein, III-269
Myoglobin
Prospective Study Correlating Fibrinopeptide A, Troponin I, Myoglobin, and Myosin Light Chain Levels With Early and Late Ischemic Events in Consecutive Patients Presenting to the Emergency Department With Chest Pain, 1107
Myosin light chain
Prospective Study Correlating Fibrinopeptide A, Troponin I, Myoglobin, and Myosin Light Chain Levels With Early and Late Ischemic Events in Consecutive Patients Presenting to the Emergency Department With Chest Pain, 1107

N

NaCl loading
Endogenous Na,K Pump Ligands Are Differentially Regulated During Acute NaCl Loading of Dahl Rats, 3009
Natriuretic peptides
Plasma Brain Natriuretic Peptide as a Prognostic Indicator in Patients With Primary Pulmonary Hypertension, 865
Natural history
Recommendations for the Management of Patients With Unruptured Intracranial Aneurysms: A Statement for Healthcare Professionals From the Stroke Council of the American Heart Association, 2300
Nausea
Labile Repolarization From "Cell to Bedside", 817
Necrosis
Inhibition of the Sodium-Hydrogen Exchanger With Cariporide to Prevent Myocardial Infarction in High-Risk Ischemic Situations: Main Results of the GUARDIAN Trial, 3032
Neointima
Vacuolar H^+-ATPase Plays a Crucial Role in Growth and Phenotypic Modulation of Myofibroblasts in Cultured Human Saphenous Vein, III-269
Nervous system, autonomic
Abnormal Baroreflex Responses in Patients With Idiopathic Orthostatic Intolerance, 3086
Abnormal Cardiac Autonomic Nervous Activity After Right Ventricular Outflow Tract Reconstruction, 2732
Biventricular Pacing Decreases Sympathetic Activity Compared With Right Ventricular Pacing in Patients With Depressed Ejection Fraction, 1027
Catheter Ablation of Cardiac Autonomic Nerves for Prevention of Vagal Atrial Fibrillation, 2774
Chronic Hypoxia Stimulates Periarterial Sympathetic Nerve Development in Chicken Embryo, 2892
Confocal Microscopic Localization of Constitutive and Heat Shock-Induced Proteins HSP70 and HSP27 in the Rat Heart, 1703
Dual-Chamber Pacing in the Treatment of Neurally Mediated Tilt-Positive Cardioinhibitory Syncope: Pacemaker Versus No Therapy: A Multicenter Randomized Study, 294
The Elusive Pathophysiology of Neurally Mediated Syncope, 2898
Low Heart Rate Variability in a 2-Minute Rhythm Strip Predicts Risk of Coronary Heart Disease and Mortality From Several Causes: The ARIC Study, 1239
Modifications of Cardiac Autonomic Profile Associated With a Shift Schedule of Work, 1912
Severely Impaired Baroreflex-Buffering in Patients With Monogenic Hypertension and Neurovascular Contact, 2611
Sympathetic Activity and Baroreflex Sensitivity in Young Women Taking Oral Contraceptives, 1473
Sympathetic Neural Burst Amplitude Distribution: A More Specific Indicator of Sympathoexcitation in Human Heart Failure, 2076
Nervous system, sympathetic
Chronic Exercise Reduces Sympathetic Nerve Activity in Rabbits With Pacing-Induced Heart Failure: A Role for Angiotensin II, 1854
Chronic Hypoxia Stimulates Periarterial Sympathetic Nerve Development in Chicken Embryo, 2892
Sympathetic Activation by Sildenafil, 3068
Newborns
Anti-Ro-Associated Sinus Bradycardia in Newborns: Letter, e88, Response, e88
NF-κB
Adiponectin, an Adipocyte-Derived Plasma Protein, Inhibits Endothelial NF-κB Signaling Through a cAMP-Dependent Pathway, 1296
Nitric Oxide Provokes Tumor Necrosis Factor-α Expression in Adult Feline Myocardium Through a cGMP-Dependent Pathway, 1302

Nicotine
Nicotine Is a Potent Blocker of the Cardiac A-Type K^+ Channels: Effects on Cloned Kv4.3 Channels and Native Transient Outward Current, 1165
Nitric oxide
17β-Estradiol Decreases Endothelin-1 Levels in the Coronary Circulation of Postmenopausal Women With Coronary Artery Disease, 1617
Acute Systemic Inflammation Impairs Endothelium-Dependent Dilatation in Humans, 994
Alterations in Endogenous Nitric Oxide Production After Cardiopulmonary Bypass in Lambs With Normal and Increased Pulmonary Blood Flow, III-172
Angiogenesis Is Impaired by Hypercholesterolemia: Role of Asymmetric Dimethylarginine, 1414
Atherosclerosis and Nitric Oxide Production: Letter, e90
Chronic 17β-Estradiol Replacement Increases Nitric Oxide-Mediated Vasodilation of Guinea Pig Coronary Microcirculation, 445
Difference in Endothelium-Derived Hyperpolarizing Factor-Mediated Hyperpolarization and Nitric Oxide Release Between Human Internal Mammary Artery and Saphenous Vein, III-296
Differential Effects of Eicosapentaenoic Acid and Docosahexaenoic Acid on Vascular Reactivity of the Forearm Microcirculation in Hyperlipidemic, Overweight Men, 1264
Endothelial Dysfunction After Repeated *Chlamydia pneumoniae* Infection in Apolipoprotein E-Knockout Mice, 1039
Endothelial Dysfunction in Men With Small LDL Particles, 716
Endothelial Dysfunction of Coronary Resistance Arteries Is Improved by Tetrahydrobiopterin in Atherosclerosis, 2172
Endothelins and Endothelin Receptor Antagonists: Therapeutic Considerations for a Novel Class of Cardiovascular Drugs, 2434
Endotoxin-Induced Myocardial Tumor Necrosis Factor-α Synthesis Depresses Contractility of Isolated Rat Hearts: Evidence for a Role of Sphingosine and Cyclooxygenase-2-Derived Thromboxane Production, 2758
Glutathione Reverses Endothelial Damage From Peroxynitrite, the Byproduct of Nitric Oxide Degradation, in Crystalloid Cardioplegia, III-332
Hypercholesterolemia Inhibits Angiogenesis in Response to Hindlimb Ischemia: Nitric Oxide-Dependent Mechanism, III-370
In Vivo and In Vitro Evidence for Impaired Arginine Transport in Human Heart Failure, 2707
Increased Activity of Nuclear Factor-κB Participates in Cardiovascular Remodeling Induced by Chronic Inhibition of Nitric Oxide Synthesis in Rats, 806
Ischemia-Induced Coronary Collateral Growth Is Dependent on Vascular Endothelial Growth Factor and Nitric Oxide, 3098
Nebivolol: A Third-Generation β-Blocker That Augments Vascular Nitric Oxide Release: Endothelial β_2-Adrenergic Receptor-Mediated Nitric Oxide Production, 677
Nitric Oxide Inhibits Dystrophin Proteolysis by Coxsackieviral Protease 2A Through S-Nitrosylation: A Protective Mechanism Against Enteroviral Cardiomyopathy, 2276
Nitric Oxide Provokes Tumor Necrosis Factor-α Expression in Adult Feline Myocardium Through a cGMP-Dependent Pathway, 1302
Normotensive and Hypertensive Subjects: Role of Endothelium-Derived Nitric Oxide: Response, e119
Primary Pulmonary Hypertension: A Vascular Biology and Translational Research "Work in Progress", 2781
Rapid and Efficient Vascular Transport of Arginine Polymers Inhibits Myointimal Hyperplasia, 2629
Regular Aerobic Exercise Augments Endothelium-Dependent Vascular Relaxation in Normotensive and Hypertensive Subjects: Role of Endothelium-Derived Nitric Oxide: Letter, e119
Regular Aerobic Exercise Prevents and Restores Age-Related Declines in Endothelium-Dependent Vasodilation in Healthy Men, 1351
Secondary Pulmonary Hypertension in Chronic Heart Failure: The Role of the Endothelium in Pathophysiology and Management, 1718
Suppression of Endothelial Nitric Oxide Production After Withdrawal of Statin Treatment Is Mediated by Negative Feedback Regulation of Rho GTPase Gene Transcription, 3104
Trypanosoma cruzi-Infected Cardiomyocytes Produce Chemokines and Cytokines That Trigger Potent Nitric Oxide-Dependent Trypanocidal Activity, 3003
Nitric oxide synthase
Aerosol Gene Transfer With Inducible Nitric Oxide Synthase Reduces Hypoxic Pulmonary Hypertension and Pulmonary Vascular Remodeling in Rats, 2880
Bradykinin Stimulates Tissue Plasminogen Activator Release From Human Forearm Vasculature Through B_2 Receptor-Dependent, NO Synthase-Independent, and Cyclooxygenase-Independent Pathway, 2190
Effect of Chronic Treatment With the Inducible Nitric Oxide Synthase Inhibitor N-Iminoethyl-L-Lysine or With L-Arginine on Progression of Coronary and Aortic Atherosclerosis in Hypercholesterolemic Rabbits, 1033
Endotoxin-Induced Myocardial Tumor Necrosis Factor-α Synthesis Depresses Contractility of Isolated Rat Hearts: Evidence for a Role of Sphingosine and Cyclooxygenase-2-Derived Thromboxane Production, 2758
Improvement of Endothelial Function by Chronic Angiotensin-Converting Enzyme Inhibition in Heart Failure: Role of Nitric Oxide, Prostanoids, Oxidant Stress, and Bradykinin, 351
Inducible Nitric Oxide Synthase Mediates Delayed Myocardial Protection Induced by Activation of Adenosine A_1 Receptors: Evidence From Gene-Knockout Mice, 902
Nitroglycerin
Nitroglycerin Tolerance in Human Vessels: Evidence for Impaired Nitroglycerin Bioconversion, 2810
Nonlinear dynamics
Reduced Ventricular Response Irregularity Is Associated With Increased Mortality in Patients With Chronic Atrial Fibrillation, 300
Norepinephrine
Alterations by Norepinephrine of Cardiac Sympathetic Nerve Terminal Function and Myocardial β-Adrenergic Receptor Sensitivity in the Ferret: Normalization by Antioxidant Vitamins, 96
Effects of Combined Angiotensin II and Endothelin Receptor Blockade With Developing Heart Failure: Effects on Left Ventricular Performance, 1447
Effects of Dopamine β-Hydroxylase Inhibition With Nepicastat on the Progression of Left Ventricular Dysfunction and Remodeling in Dogs With Chronic Heart Failure, 1990
Noradrenergic Vascular Hyper-Responsiveness in Human Hypertension Is Dependent on Oxygen Free Radical Impairment of Nitric Oxide Activity, 552
Norfenfluramine
Evidence for Possible Involvement of 5-HT^{2B} Receptors in the Cardiac Valvulopathy Associated With Fenfluramine and Other Serotonergic Medications, 2836
Nuclear factor-κB
Increased Activity of Nuclear Factor-κB Participates in Cardiovascular Remodeling Induced by Chronic Inhibition of Nitric Oxide Synthesis in Rats, 806
Nuclear medicine
Zinc-Mediated Reduction of Apoptosis in Cardiac Allografts, III-228
Nutrition
AHA Dietary Guidelines: Revision 2000: A Statement for Healthcare Professionals From the Nutrition Committee of the American Heart Association, 2284
Effect of Dietary Patterns on Serum Homocysteine: Results of a Randomized, Controlled Feeding Study, 852
Fish Oil-Derived Fatty Acids, Docosahexaenoic Acid and Docosapentaenoic Acid, and the Risk of Acute Coronary Events: The Kuopio Ischaemic Heart Disease Risk Factor Study, 2677
Improved Vascular Endothelial Function After Oral B Vitamins: An Effect Mediated Through Reduced Concentrations of Free Plasma Homocysteine, 2479
Scientific Conference on Preventive Nutrition: Letter, e28

O

Obesity
AHA Dietary Guidelines: Revision 2000: A Statement for Healthcare Professionals From the Nutrition Committee of the American Heart Association, 2284
Body Composition and Prevalence of Left Ventricular Hypertrophy, 405

Effects of Antihypertensive Therapy on Glucose and Insulin Metabolism and on Left Ventricular Mass: A Randomized, Double-Blind, Controlled Study of 21 Obese Hypertensives, 1802
Impairment of Endothelium-Dependent Vasodilation of Resistance Vessels in Patients With Obstructive Sleep Apnea, 2607
Insulin Resistance and Hyperinsulinemia: No Independent Relation to Left Ventricular Mass in Humans, 2233

Occlusion
Clinical Outcome of Fenestrated Fontan Patients After Closure: The First 10 Years, 2094
Endovascular Brachytherapy and Late Thrombotic Occlusion: Letter, e175. Response, e175
Immediate Changes of Collateral Function After Successful Recanalization of Chronic Total Coronary Occlusions, 2959

Outcomes
Race, Sex, Poverty, and the Medical Treatment of Acute Myocardial Infarction in the Elderly, 642
Recommendations for the Management of Patients With Unruptured Intracranial Aneurysms: A Statement for Healthcare Professionals From the Stroke Council of the American Heart Association, 2300

Outpatient therapy
Initial Clinical Experience With Ambulatory Use of an Implantable Atrial Defibrillator for Conversion of Atrial Fibrillation, 1407

Oxidant stress
Oxidant Stress and Aspirin-Insensitive Thromboxane Biosynthesis in Severe Unstable Angina, 1007

Oxidative stress
Endotoxin-Induced Mortality Is Related to Increased Oxidative Stress and End-Organ Dysfunction, Not Refractory Hypotension, in Heme Oxygenase-1-Deficient Mice, 3015
Improvement of Endothelial Function by Chronic Angiotensin-Converting Enzyme Inhibition in Heart Failure: Role of Nitric Oxide, Prostanoids, Oxidant Stress, and Bradykinin, 351

Oxygen
Left Ventricular or Biventricular Pacing Improves Cardiac Function at Diminished Energy Cost in Patients With Dilated Cardiomyopathy and Left Bundle-Branch Block, 3053

P

Pacemakers
Dual-Chamber Pacing in the Treatment of Neurally Mediated Tilt-Positive Cardioinhibitory Syncope: Pacemaker Versus No Therapy: A Multicenter Randomized Study, 294
Pacemaker Extrusion, 1192
Randomized Crossover Comparison of DDDR Versus VDD Pacing After Atrioventricular Junction Ablation for Prevention of Atrial Fibrillation, 736
What Have We Learned About Cardiac Arrhythmias? IV-52

Pacing
Biventricular Pacing Decreases Sympathetic Activity Compared With Right Ventricular Pacing in Patients With Depressed Ejection Fraction, 1027
Effects of Biatrial Pacing in Prevention of Postoperative Atrial Fibrillation After Coronary Artery Bypass Surgery, 755
Fetoscopic Direct Fetal Cardiac Access in Sheep: An Important Experimental Milestone Along the Route to Human Fetal Cardiac Intervention, 1602
Left Ventricular or Biventricular Pacing Improves Cardiac Function at Diminished Energy Cost in Patients With Dilated Cardiomyopathy and Left Bundle-Branch Block, 3053
Randomized Controlled Study Investigating the Effect of Biatrial Pacing in Prevention of Atrial Fibrillation After Coronary Artery Bypass Grafting, 1382

Pacing maneuver
Differential Pacing for Distinguishing Block From Persistent Conduction Through an Ablation Line, 1517

Paclitaxel
Intrapericardial Paclitaxel Delivery Inhibits Neointimal Proliferation and Promotes Arterial Enlargement After Porcine Coronary Overstretch, 1575

Parkinson's disease
Metoprolol-Induced Changes in Myocardial ^{123}I-Metaiodobenzylguanidine Uptake in Parkinson's Disease, 2553

Patency
Relationship of Infarct Artery Patency and Left Ventricular Ejection Fraction to Health-Related Quality of Life After Myocardial Infarction: The GUSTO-I Angiographic Study Experience, 1245

Pathology
Herpesvirus Infection Accelerates Atherosclerosis in the Apolipoprotein E-Deficient Mouse, 779
Risk Reduction, IV-94
Sudden Cardiac Death With Apparently Normal Heart, 649

Pediatrics
Cardiac Dysfunction and Mortality in HIV-Infected Children: The Prospective P^2C^2 HIV Multicenter Study, 1542
Cardiac Dysfunction and Mortality in HIV-Infected Children: The Prospective P^2C^2 HIV Multicenter Study, 1542
Impaired Endothelial Function and Increased Carotid Stiffness in 9-Year-Old Children With Low Birthweight, 2739
Pediatric Cardiology and Cardiovascular Surgery: 1950-2000, IV-58
A Prospective Analysis of the Immunogenicity of Cryopreserved Nonvalved Allografts Used in Pediatric Heart Surgery, III-179
Sudden Death and Cardiovascular Collapse in Children With Restrictive Cardiomyopathy, 876
Three-Dimensional Intravascular Ultrasound Assessment of Noninjured Edges of β-Irradiated Coronary Segments, 1484

Pentraxins
PTX3, A Prototypical Long Pentraxin, Is an Early Indicator of Acute Myocardial Infarction in Humans, 636

Peptides
CC Chemokine I-309 Is the Principal Monocyte Chemoattractant Induced by Apolipoprotein(a) in Human Vascular Endothelial Cells, 786
Gene Expression of Brain Natriuretic Peptide in Isolated Atrial and Ventricular Human Myocardium: Influence of Angiotensin II and Diastolic Fiber Length, 3074
Postexercise Ischemia Is Associated With Increased Neuropeptide Y in Patients With Coronary Artery Disease, 987
Selective Targeting of Gene Transfer to Vascular Endothelial Cells by Use of Peptides Isolated by Phage Display, 231

Perfusion
Assessment of Coronary Stenosis Severity and Transmural Perfusion Gradient by Myocardial Contrast Echocardiography: Comparison of Gray-Scale B-Mode With Power Doppler Imaging, 1427
Assessment of Myocardial Perfusion by Harmonic Power Doppler Imaging at Rest and During Adenosine Stress: Comparison With ^{99m}Tc-Sestamibi SPECT Imaging, 55
Endotoxin-Induced Myocardial Tumor Necrosis Factor-α Synthesis Depresses Contractility of Isolated Rat Hearts: Evidence for a Role of Sphingosine and Cyclooxygenase-2-Derived Thromboxane Production, 2758

Pericarditis
Differentiation Between Restrictive Cardiomyopathy and Constrictive Pericarditis by Early Diastolic Doppler Myocardial Velocity Gradient at the Posterior Wall, 655

Pericardium
Fetoscopic Direct Fetal Cardiac Access in Sheep: An Important Experimental Milestone Along the Route to Human Fetal Cardiac Intervention, 1602
Intrapericardial Paclitaxel Delivery Inhibits Neointimal Proliferation and Promotes Arterial Enlargement After Porcine Coronary Overstretch, 1575

Peripheral vascular disease
Adenovirus-Mediated $VEGF_{121}$ Gene Transfer Stimulates Angiogenesis in Normoperfused Skeletal Muscle and Preserves Tissue Perfusion After Induction of Ischemia, 565
Alcohol Consumption and Risk of Intermittent Claudication in the Framingham Heart Study, 3092
Endovascular Brachytherapy for Prophylaxis of Restenosis After Femoropopliteal Angioplasty: Results of a Prospective Randomized Study, 2694
Hypercholesterolemia Inhibits Angiogenesis in Response to Hindlimb Ischemia: Nitric Oxide-Dependent Mechanism, III-370
Peripheral Arterial Disease in Randomized Trial of Estrogen With Progestin in Women With Coronary Heart Disease: The Heart and Estrogen/Progestin Replacement Study, 2228

Photoangioplasty for Human Peripheral Atherosclerosis: Results of a Phase I Trial of Photodynamic Therapy With Motexafin Lutetium (Antrin), 2322
Treatment of Iliac Artery Aneurysms by Percutaneous Implantation of Stent Grafts, III-253

Permeability
Plasma Disappearance of Albumin and Impact of Capillary Thickness in Idiopathic Dilated Cardiomyopathy and After Heart Transplantation, 319

Pharmacology
Moderate Alcohol Consumption and Risk of Coronary Heart Disease Among Women With Type 2 Diabetes Mellitus, 487
Molecular Pharmacology of the Sodium Channel Mutation D1790G Linked to the Long-QT Syndrome, 921

Phlebography
Three-Dimensional Phlebography of the Saphenous Venous System, e33

Photoangioplasty
Photoangioplasty: An Emerging Clinical Cardiovascular Role for Photodynamic Therapy, 591

Photodynamic therapy
Photoangioplasty: An Emerging Clinical Cardiovascular Role for Photodynamic Therapy, 591

Physiology
Effect of Exercise on Arterial Compliance, 1214
Effects of Respiration and Gravity on Infradiaphragmatic Venous Flow in Normal and Fontan Patients, III-148
Quantitative General Theory for Periodic Breathing in Chronic Heart Failure and its Clinical Implications, 2214
What is the Optimal Age for Repair of Tetralogy of Fallot? III-123

Plaque
Characterization of Plaque Components With Intravascular Ultrasound Elastography in Human Femoral and Coronary Arteries In Vitro, 617
Considerable Time From the Onset of Plaque Rupture and/or Thrombi Until the Onset of Acute Myocardial Infarction in Humans: Coronary Angiographic Findings Within 1 Week Before the Onset of Infarction, 2063
Coronary Composition and Macrophage Infiltration in Atherectomy Specimens From Patients With Diabetes Mellitus, 2180
Gene Transfer of the Serine Elastase Inhibitor Elafin Protects Against Vein Graft Degeneration, III-289
Noninvasive Coronary Vessel Wall and Plaque Imaging With Magnetic Resonance Imaging, 2582
Quantitative Ultrasonic Tissue Characterization Can Identify High-Risk Atherosclerotic Alteration in Human Carotid Arteries, 766

Plasminogen activators
Bradykinin Stimulates Tissue Plasminogen Activator Release From Human Forearm Vasculature Through B_2 Receptor-Dependent, NO Synthase-Independent, and Cyclooxygenase-Independent Pathway, 2190
Survival Outcomes 1 Year After Reperfusion Therapy With Either Alteplase or Reteplase for Acute Myocardial Infarction: Results From the Global Utilization of Streptokinase and t-PA for Occluded Coronary Arteries (GUSTO) III Trial, 1761

Platelet aggregation
Dose-Finding, Safety, and Tolerability Study of an Oral Platelet Glycoprotein IIb/IIIa Inhibitor, Lotrafiban, in Patients With Coronary or Cerebral Atherosclerotic Disease, 728

Platelet aggregation inhibitors
Oral Glycoprotein IIb/IIIa Inhibition With Orbofiban in Patients With Unstable Coronary Syndromes (OPUS-TIMI 16) Trial, 149
Targeting Patients Undergoing Angioplasty for Thrombus Inhibition: A Cost-Effectiveness and Decision Support Model, 392

Platelet-derived factors
A New Role for P-Selectin in Shear-Induced Platelet Aggregation, 2045
P-Selectin Expression on Platelets Determines Size and Stability of Platelet Aggregates, 1931
Shear Stress Downregulation of Platelet-Derived Growth Factor Receptor-β and Matrix Metalloprotease-2 Is Associated With Inhibition of Smooth Muscle Cell Invasion and Migration, 225

Platelet glycoprotein IIb/IIIa
Economic Assessment of Platelet Glycoprotein IIb/IIIa Receptor Blockade With Abciximab and Low-Dose Heparin During Percutaneous Coronary Revascularization: Results From the EPILOG Randomized Trial, 2923

Platelet inhibition
Acute Platelet Inhibition With Abciximab Does Not Reduce In-Stent Restenosis: Letter, e110, Response, e110
Attainment and Maintenance of Platelet Inhibition Through Standard Dosing of Abciximab in Patients Undergoing Percutaneous Coronary Intervention: Letter, e186, Response, e186

Platelets
Changes in Surface Expression of Platelet Membrane Glycoproteins and Progression of Heart Transplant Vasculopathy, 890
Clinical and Therapeutic Profile of Patients Presenting With Acute Coronary Syndromes Who Do Not Have Significant Coronary Artery Disease, 1101
Dose and Time Effects of Caffeine Intake on Human Platelet Adenosine A_{2A} Receptors: Functional and Biochemical Aspects, 285
Enhanced Efficacy of Eptifibatide Administration in Patients With Acute Coronary Syndrome Requiring In-Hospital Coronary Artery Bypass Grafting, 2952
Flow Cytometric Monitoring of Glycoprotein IIb/IIIa Blockade and Platelet Function in Patients With Acute Myocardial Infarction Receiving Reteplase, Abciximab, and Ticlopidine: Continuous Platelet Inhibition by the Combination of Abciximab and Ticlopidine, 1490
Homozygosity for 807 T Polymorphism in α_2 Subunit of Platelet $\alpha_2\beta_1$ Is Associated With Increased Risk of Cardiovascular Mortality in High-Risk Women, 1645
Management of Patients With Acute Coronary Syndromes in the United States by Platelet Glycoprotein IIb/IIIa Inhibition: Insights From the Platelet Glycoprotein IIb/IIIa in Unstable Angina: Receptor Suppression Using Integrilin Therapy (PURSUIT) Trial, 1093
A New Role for P-Selectin in Shear-Induced Platelet Aggregation, 2045
Nitrate Resistance in Platelets From Patients With Stable Angina Pectoris: Letter, e87, Response, e87
Novel, Bedside, Tissue Factor-Dependent Clotting Assay Permits Improved Assessment of Combination Antithrombotic and Antiplatelet Therapy, 2051
Participation of Tyrosine Phosphorylation in Cytoskeletal Reorganization, $\alpha_{IIb}\beta_3$ Integrin Receptor Activation, and Aspirin-Insensitive Mechanisms of Thrombin-Stimulated Human Platelets, 1924
Platelet Pl^{A2} Allele and Incidence of Coronary Heart Disease: Results From the Atherosclerosis Risk In Communities (ARIC) Study, 1901
Primary Pulmonary Hypertension: A Vascular Biology and Translational Research "Work in Progress", 2781
Pronounced Benefit of Coronary Stenting and Adjunctive Platelet Glycoprotein IIb/IIIa Inhibition in Complex Atherosclerotic Lesions, 28
Prospective, Randomized, Infancy-Onset Trial of the Effects of a Low-Saturated-Fat, Low-Cholesterol Diet on Serum Lipids and Lipoproteins Before School Age: The Special Turku Coronary Risk Factor Intervention Project (STRIP), 1477
Proteolysis of von Willebrand Factor and Shear Stress-Induced Platelet Aggregation in Patients With Aortic Valve Stenosis, 1290
Roles of P-Selectin in Inflammation, Neointimal Formation, and Vascular Remodeling in Balloon-Injured Rat Carotid Arteries, 1710

Pneumopericardium
Cocaine-Induced Pneumopericardium, 2792

Polymerase chain reaction
Detection of *Chlamydia pneumoniae* DNA in CD3+ Lymphocytes From Healthy Blood Donors and Patients With Coronary Artery Disease, 2341

Polymers
Early In Vivo Experience With Tissue-Engineered Trileaflet Heart Valves, III-22

Polytetrafluoroethylene
Treatment of Aortocoronary Vein Graft Lesions With Membrane-Covered Stents: A Multicenter Surveillance Trial, 2024

Population
Evidence of Improving Prognosis in Heart Failure: Trends in Case Fatality in 66 547 Patients Hospitalized Between 1986 and 1995, 1126
Explanation for the Decline in Coronary Heart Disease Mortality Rates in Auckland New Zealand Between 1982 and 1993, 1511
Potassium
Nicotine Is a Potent Blocker of the Cardiac A-Type K^+ Channels: Effects on Cloned Kv4.3 Channels and Native Transient Outward Current, 1165
Primary Pulmonary Hypertension: A Vascular Biology and Translational Research "Work in Progress", 2781
Preconditioning
Cardioprotective Mechanism of Ischemic Preconditioning Is Impaired by Postinfarct Ventricular Remodeling Through Angiotensin II Type 1 Receptor Activation, 458
Pressure
Clinical Utility of Doppler Echocardiography and Tissue Doppler Imaging in the Estimation of Left Ventricular Filling Pressures: A Comparative Simultaneous Doppler-Catheterization Study, 1788
Coronary Pressure Measurement to Assess the Hemodynamic Significance of Serial Stenoses Within One Coronary Artery: Validation in Humans, 2371
Prevention
AHA Dietary Guidelines: Revision 2000: A Statement for Healthcare Professionals From the Nutrition Committee of the American Heart Association, 2284
Association of Influenza Vaccination and Reduced Risk of Recurrent Myocardial Infarction, 3039
Cerebrovascular Disease, IV-75
Change in Level of Physical Activity and Risk of All-Cause Mortality or Reinfarction: The Corpus Christi Heart Project, 2204
Core Components of Cardiac Rehabilitation/Secondary Prevention Programs: A Statement for Healthcare Professionals From the American Heart Association and the American Association of Cardiovascular and Pulmonary Rehabilitation, 1069
Cost-Effectiveness of Treating Hyperlipidemia in the Presence of Diabetes: Who Should Be Treated? 722
Dose-Finding, Safety, and Tolerability Study of an Oral Platelet Glycoprotein IIb/IIIa Inhibitor, Lotrafiban, in Patients With Coronary or Cerebral Atherosclerotic Disease, 728
New Issues in the Treatment of Isolated Systolic Hypertension, 1079
Predictors of Atrial Fibrillation After Conventional and Beating Heart Coronary Surgery: A Prospective, Randomized Study, 1530
Risk Reduction, IV-94
Secondary Prevention by Raising HDL Cholesterol and Reducing Triglycerides in Patients With Coronary Artery Disease: The Bezafibrate Infarction Prevention (BIP) Study, 21
Secondary Prevention of Coronary Heart Disease: The Role of Fibric Acids, 2
Soy Protein and Cardiovascular Disease: A Statement for Healthcare Professionals From the Nutrition Committee of the AHA, 2555
Team Management of Patients With Heart Failure: A Statement for Healthcare Professionals From the Cardiovascular Nursing Council of the American Heart Association, 2443
Three-Dimensional Intravascular Ultrasound Assessment of Noninjured Edges of β-Irradiated Coronary Segments, 1484
Trends and Disparities in Coronary Heart Disease, Stroke, and Other Cardiovascular Diseases in the United States: Findings of the National Conference on Cardiovascular Disease Prevention, 3137
Proarrhythmia
Sildenafil (Viagra) Prolongs Cardiac Repolarization by Blocking the Rapid Component of the Delayed Rectifier Potassium Current, 275
Progesterone
Sympathetic Activity and Baroreflex Sensitivity in Young Women Taking Oral Contraceptives, 1473
Prognosis
Assessment of Functional Capacity in Clinical and Research Applications: An Advisory From the Committee on Exercise, Rehabilitation, and Prevention, Council on Clinical Cardiology, American Heart Association, 1591
Cardioprotective Effect of Prior β-Blocker Therapy in Reducing Creatine Kinase-MB Elevation After Coronary Intervention: Benefit Is Extended to Improvement in Intermediate-Term Survival, 166
A Classification of Unstable Angina Revisited, 118
Clinical and Therapeutic Profile of Patients Presenting With Acute Coronary Syndromes Who Do Not Have Significant Coronary Artery Disease, 1101
Clinical Features of Hypertrophic Cardiomyopathy Caused by a Lys183 Deletion Mutation in the Cardiac Troponin I Gene, 663
Dose-Finding, Safety, and Tolerability Study of an Oral Platelet Glycoprotein IIb/IIIa Inhibitor, Lotrafiban, in Patients With Coronary or Cerebral Atherosclerotic Disease, 728
Evidence for Antigen-Driven T-Cell Response in Unstable Angina, 1114
Evidence of Improving Prognosis in Heart Failure: Trends in Case Fatality in 66 547 Patients Hospitalized Between 1986 and 1995, 1126
Impact of Diabetes on Long-Term Prognosis in Patients With Unstable Angina and Non-Q-Wave Myocardial Infarction: Results of the OASIS (Organization to Assess Strategies for Ischemic Syndromes) Registry, 1014
Inadequate Response to Treatment in Coronary Heart Disease: Adverse Effects of Type D Personality and Younger Age on 5-Year Prognosis and Quality of Life, 630
Independent and Incremental Prognostic Value of ^{201}Tl Lung Uptake at Rest in Patients With Severe Postischemic Left Ventricular Dysfunction, 1795
Plasma Cytokine Parameters and Mortality in Patients With Chronic Heart Failure, 3060
Predictors of Disease Course in Patients With Acute Myocarditis, 2829
Renal Function, Neurohormonal Activation, and Survival in Patients With Chronic Heart Failure, 203
Response to Antihypertensive Therapy in Older Patients With Sustained and Nonsustained Systolic Hypertension, 1139
TIMI Risk Score for ST-Elevation Myocardial Infarction: A Convenient, Bedside, Clinical Score for Risk Assessment at Presentation: An Intravenous nPA for Treatment of Infarcting Myocardium Early II Trial Substudy, 2031
Prostaglandins
Cyclooxygenase-1 and -2-Dependent Prostacyclin Formation in Patients With Atherosclerosis, 840
Effects of Vitamin E Supplementation on F_2-Isoprostane and Thromboxane Biosynthesis in Healthy Cigarette Smokers, 539
Gene Transfer of Human Prostacyclin Synthase Ameliorates Monocrotaline-Induced Pulmonary Hypertension in Rats, 2005
Improvement of Endothelial Function by Chronic Angiotensin-Converting Enzyme Inhibition in Heart Failure: Role of Nitric Oxide, Prostanoids, Oxidant Stress, and Bradykinin, 351
Improvement of von Willebrand Factor Proteolysis After Prostacyclin Infusion in Severe Pulmonary Arterial Hypertension, 2460
Increased Plasma P-Selectin and Decreased Thrombomodulin in Pulmonary Arterial Hypertension Were Improved by Continuous Prostacyclin Therapy, 2720
Oral Beraprost Sodium, a Prostaglandin I_2 Analogue, for Intermittent Claudication: A Double-Blind, Randomized, Multicenter Controlled Trial, 426
Pediatric Cardiology and Cardiovascular Surgery: 1950-2000, IV-58
Peroxisome Proliferator-Activated Receptor γ Activators Downregulate Angiotensin II Type 1 Receptor in Vascular Smooth Muscle Cells, 1834
Prostacyclin Analogues Differentially Inhibit Growth of Distal and Proximal Human Pulmonary Artery Smooth Muscle Cells, 3130
Prosthesis
Functional Living Trileaflet Heart Valves Grown In Vitro, III-44
Transcatheter Implantation of a Bovine Valve in Pulmonary Position: A Lamb Study, 813
Proteins
Cardiomyocyte Death Induced by Myocardial Ischemia and Reperfusion: Measurement With Recombinant Human Annexin-V in a Mouse Model, 1564
Chronic Subclinical Inflammation as Part of the Insulin Resistance Syndrome: The Insulin Resistance Atherosclerosis Study (IRAS), 42
Clinical Features of Hypertrophic Cardiomyopathy Caused by a Lys183 Deletion Mutation in the Cardiac Troponin I Gene, 663

Elevated C-Reactive Protein Levels and Impaired Endothelial Vasoreactivity in Patients With Coronary Artery Disease, 1000
Elevated Levels of Plasma C-Reactive Protein Are Associated With Decreased Graft Survival in Cardiac Transplant Recipients, 2100
Elevated Troponin I Level on Admission Is Associated With Adverse Outcome of Primary Angioplasty in Acute Myocardial Infarction, 1611
Gene Therapy for Myocardial Protection: Transfection of Donor Hearts With Heat Shock Protein 70 Gene Protects Cardiac Function Against Ischemia-Reperfusion Injury, III-302
Improvement of von Willebrand Factor Proteolysis After Prostacyclin Infusion in Severe Pulmonary Arterial Hypertension, 2460
Increased Activity of Nuclear Factor-κB Participates in Cardiovascular Remodeling Induced by Chronic Inhibition of Nitric Oxide Synthesis in Rats, 806
Inhibition of Vascular Smooth Muscle Cell Proliferation by Sodium Salicylate Mediated by Upregulation of $p21^{Waf1}$ and $p27^{Kip1}$, 2124
Ischemic but Not Pharmacological Preconditioning Requires Protein Synthesis, III-312
Ischemic Inactivation of G Protein-Coupled Receptor Kinase and Altered Desensitization of Canine Cardiac β-Adrenergic Receptors, 2535
Low-Density Lipoprotein Postsecretory Modification, Monocyte Function, and Circulating Adhesion Molecules in Type 2 Diabetic Patients With and Without Macrovascular Complications: The Effect of α-Tocopherol Supplementation, 191
Plasma Cytokine Parameters and Mortality in Patients With Chronic Heart Failure, 3060
PTX3, A Prototypical Long Pentraxin, Is an Early Indicator of Acute Myocardial Infarction in Humans, 636
Role of Monocyte Chemoattractant Protein-1 in Cardiovascular Remodeling Induced by Chronic Blockade of Nitric Oxide Synthesis, 2243
Soy Protein and Cardiovascular Disease: A Statement for Healthcare Professionals From the Nutrition Committee of the AHA, 2555
Vesnarinone Restores Contractility and Calcium Handling in Early Endotoxemia, III-365

Psychosocial stress
Inadequate Response to Treatment in Coronary Heart Disease: Adverse Effects of Type D Personality and Younger Age on 5-Year Prognosis and Quality of Life, 630

Public policy
Demographic, Belief, and Situational Factors Influencing the Decision to Utilize Emergency Medical Services Among Chest Pain Patients, 173

Pulmonary heart disease
Increased Plasma P-Selectin and Decreased Thrombomodulin in Pulmonary Arterial Hypertension Were Improved by Continuous Prostacyclin Therapy, 2720
Independent Prognostic Value of Cardiac Troponin T in Patients With Confirmed Pulmonary Embolism, 211

Q

Quality of life
Inadequate Response to Treatment in Coronary Heart Disease: Adverse Effects of Type D Personality and Younger Age on 5-Year Prognosis and Quality of Life, 630
Relationship of Infarct Artery Patency and Left Ventricular Ejection Fraction to Health-Related Quality of Life After Myocardial Infarction: The GUSTO-I Angiographic Study Experience, 1245

R

Race
Race, Sex, Poverty, and the Medical Treatment of Acute Myocardial Infarction in the Elderly, 642
Socioeconomic Status Is an Important Determinant of the Use of Invasive Procedures After Acute Myocardial Infarction in New York State, III-107

Radiation
Inhibition of Restenosis With β-Emitting Radiotherapy: Report of the Proliferation Reduction With Vascular Energy Trial (PREVENT), 951

Radioisotopes
Endovascular Brachytherapy for Prophylaxis of Restenosis After Femoropopliteal Angioplasty: Results of a Prospective Randomized Study, 2694
In Vivo and In Vitro Evidence for Impaired Arginine Transport in Human Heart Failure, 2707
Inhibition of Restenosis With β-Emitting Radiotherapy: Report of the Proliferation Reduction With Vascular Energy Trial (PREVENT), 951
Myocardial Blood Flow and Myocardial Uptake of ^{201}Tl and ^{99m}Tc-Sestamibi During Coronary Vasodilation Induced by CGS-21680, a Selective Adenosine A_{2A} Receptor Agonist, 438
Positive Geometric Vascular Remodeling Is Seen After Catheter-Based Radiation Followed by Conventional Stent Implantation but Not After Radioactive Stent Implantation, 1434
Uptake of Radiolabeled 2′-Fluoro-2′-Deoxy-5-Iodo-1-β-D-Arabinofuranosyluracil in Cardiac Cells After Adenoviral Transfer of the Herpesvirus Thymidine Kinase Gene: The Cellular Basis for Cardiac Gene Imaging, 948

Radiotherapy
Inhibition of Restenosis With β-Emitting Radiotherapy: Report of the Proliferation Reduction With Vascular Energy Trial (PREVENT), 951

Random allocation
Randomized Comparison of Primary Stenting and Provisional Balloon Angioplasty Guided by Flow Velocity Measurement, 2930

Receptors
Angiotensin-Converting Enzyme Inhibition and Angiotensin II Type 1 Receptor Blockade Prevent Cardiac Remodeling in Pigs After Myocardial Infarction: Role of Tissue Angiotensin II, 1556
Angiotensin II Receptor Subtypes in the Skeletal Muscle Vasculature of Patients With Severe Congestive Heart Failure, 2210
Cardioprotective Mechanism of Ischemic Preconditioning Is Impaired by Postinfarct Ventricular Remodeling Through Angiotensin II Type 1 Receptor Activation, 458
Differential Effects of Estrogen and Progesterone on AT_1 Receptor Gene Expression in Vascular Smooth Muscle Cells, 1828
Dose and Time Effects of Caffeine Intake on Human Platelet Adenosine A_{2A} Receptors: Functional and Biochemical Aspects, 285
Double-Blind Study of the Safety of Clopidogrel With and Without a Loading Dose in Combination With Aspirin Compared With Ticlopidine in Combination With Aspirin After Coronary Stenting: The Clopidogrel Aspirin Stent International Cooperative Study (CLASSICS), 624
Evidence for Possible Involvement of 5-HT^{2B} Receptors in the Cardiac Valvulopathy Associated With Fenfluramine and Other Serotonergic Medications, 2836
Exaggerated Vascular and Renal Pathology in Endothelin-B Receptor-Deficient Rats With Deoxycorticosterone Acetate-Salt Hypertension, 2765
Inducible Nitric Oxide Synthase Mediates Delayed Myocardial Protection Induced by Activation of Adenosine A_1 Receptors: Evidence From Gene-Knockout Mice, 902
Inhibitory Effect of Angiotensin II Type 2 Receptor on Coronary Arterial Remodeling After Aortic Banding in Mice, 1684
Monocyte Chemoattractant Protein-1 is Upregulated in Rats With Volume-Overload Congestive Heart Failure, 1315
Myocardial Blood Flow and Myocardial Uptake of ^{201}Tl and ^{99m}Tc-Sestamibi During Coronary Vasodilation Induced by CGS-21680, a Selective Adenosine A_{2A} Receptor Agonist, 438
Myocardial Protection by Preconditioning of Heart With Losartan, an Angiotensin III Type 1-Receptor Blocker: Implication of Bradykinin-Dependent and Bradykinin-Independent Mechanisms, III-346
Overexpression of G Protein-Coupled Receptor Kinase-2 in Smooth Muscle Cells Attenuates Mitogenic Signaling via G Protein-Coupled and Platelet-Derived Growth Factor Receptors, 793
Oxidized LDL Upregulates Angiotensin II Type 1 Receptor Expression in Cultured Human Coronary Artery Endothelial Cells: The Potential Role of Transcription Factor NF-κB, 1970
Peroxisome Proliferator-Activated Receptor γ Activators Downregulate Angiotensin II Type 1 Receptor in Vascular Smooth Muscle Cells, 1834
Severely Impaired Baroreflex-Buffering in Patients With Monogenic Hypertension and Neurovascular Contact, 2611

Vitamin E Reduces the Uptake of Oxidized LDL by Inhibiting CD36 Scavenger Receptor Expression in Cultured Aortic Smooth Muscle Cells, 82

Receptors, adrenergic

Altered Adrenergic Receptor Density in Myocardial Hibernation in Humans: A Possible Mechanism of Depressed Myocardial Function, 2599

Receptors, adrenergic, alpha

Chronic α-Adrenergic Receptor Stimulation Modulates the Contractile Phenotype of Cardiac Myocytes In Vitro, 2249

Receptors, adrenergic, beta

β-Adrenergic Receptor Subtypes Differentially Affect Apoptosis in Adult Rat Ventricular Myocytes, 344

Alterations by Norepinephrine of Cardiac Sympathetic Nerve Terminal Function and Myocardial β-Adrenergic Receptor Sensitivity in the Ferret: Normalization by Antioxidant Vitamins, 96

Both β_2- and β_1-Adrenergic Receptors Mediate Hastened Relaxation and Phosphorylation of Phospholamban and Troponin I in Ventricular Myocardium of Fallot Infants, Consistent With Selective Coupling of β_2-Adrenergic, 1814

Differential Effects of β-Blockers in Patients With Heart Failure: A Prospective, Randomized, Double-Blind Comparison of the Long-Term Effects of Metoprolol Versus Carvedilol, 546

Intracoronary Delivery of Adenovirus Encoding Adenylyl Cyclase VI Increases Left Ventricular Function and cAMP-Generating Capacity, 2396

Ischemic Inactivation of G Protein-Coupled Receptor Kinase and Altered Desensitization of Canine Cardiac β-Adrenergic Receptors, 2535

Myocyte Response to β-Adrenergic Stimulation Is Preserved in the Noninfarcted Myocardium of Globally Dysfunctional Rat Hearts After Myocardial Infarction, 1840

Nebivolol: A Third-Generation β-Blocker That Augments Vascular Nitric Oxide Release: Endothelial β_2-Adrenergic Receptor-Mediated Nitric Oxide Production, 677

Physiological Induction of a β-Adrenergic Receptor Kinase Inhibitor Transgene Preserves β-Adrenergic Responsiveness in Pressure-Overload Cardiac Hypertrophy, 2751

What Type of β-Blocker Should Be Used to Treat Chronic Heart Failure? 484

Reentry

Anisotropic Reentry in a Perfused 2-Dimensional Layer of Rabbit Ventricular Myocardium, 2650

Importance of Atrial Flutter Isthmus in Postoperative Intra-Atrial Reentrant Tachycardia, 1283

Localization of the Slow Conduction Zone During Reentrant Ventricular Tachycardia, 464

Mechanisms of Discordant Alternans and Induction of Reentry in Simulated Cardiac Tissue, 1664

A Noninvasive Imaging Modality for Cardiac Arrhythmias, 2152

Reflex

Effects of a Residential Exercise Training on Baroreflex Sensitivity and Heart Rate Variability in Patients With Coronary Artery Disease: A Randomized, Controlled Study, 2588

Regurgitation

Assessment of Severity of Aortic Regurgitation Using the Width of the Vena Contracta: A Clinical Color Doppler Imaging Study, 558

Coordinate-Free Analysis of Mitral Valve Dynamics in Normal and Ischemic Hearts, III-62

Determinants of the Degree of Functional Mitral Regurgitation in Patients With Systolic Left Ventricular Dysfunction: A Quantitative Clinical Study, 1400

The Power-Velocity Integral at the Vena Contracta: A New Method for Direct Quantification of Regurgitant Volume Flow, 1053

Severe Mitral Regurgitation After Valve Replacement as Cause of Pulmonary Venous Aneurysm, 2159

Rejection

Activation of the Heart by Donor Brain Death Accelerates Acute Rejection After Transplantation, 2426

Cryopreservation of Rat Aortic Valves Results in Increased Structural Failure, III-75

A Prospective Analysis of the Immunogenicity of Cryopreserved Nonvalved Allografts Used in Pediatric Heart Surgery, III-179

Skin Cancer in Heart Transplant Recipients: Risk Factor Analysis and Relevance of Immunosuppressive Therapy, III-222

Zinc-Mediated Reduction of Apoptosis in Cardiac Allografts, III-228

Relaxation

Regulation of Cardiac Contraction and Relaxation, IV-69

Remodeling

Aerosol Gene Transfer With Inducible Nitric Oxide Synthase Reduces Hypoxic Pulmonary Hypertension and Pulmonary Vascular Remodeling in Rats, 2880

Arterial Remodeling: Mechanisms and Clinical Implications, 1186

Cardioprotective Mechanism of Ischemic Preconditioning Is Impaired by Postinfarct Ventricular Remodeling Through Angiotensin II Type 1 Receptor Activation, 458

Contrasting Efficacy of Dofetilide in Differing Experimental Models of Atrial Fibrillation, 104

Direct Evidence for Cytokine Involvement in Neointimal Hyperplasia, 1697

Electrical Remodeling of the Atria Associated With Paroxysmal and Chronic Atrial Flutter, 1807

Electrical, Morphological, and Ultrastructural Remodeling and Reverse Remodeling in a Canine Model of Chronic Atrial Fibrillation, 1454

Favorable Remodeling Enhances Recovery of Regional Myocardial Function in the Weeks After Infarction in Ischemically Preconditioned Hearts, 579

Gene Transfer of the Serine Elastase Inhibitor Elafin Protects Against Vein Graft Degeneration, III-289

Intrapericardial Paclitaxel Delivery Inhibits Neointimal Proliferation and Promotes Arterial Enlargement After Porcine Coronary Overstretch, 1575

A Matrix Metalloproteinase Induction/Activation System Exists in the Human Left Ventricular Myocardium and Is Upregulated in Heart Failure, 1944

Positive Geometric Vascular Remodeling Is Seen After Catheter-Based Radiation Followed by Conventional Stent Implantation but Not After Radioactive Stent Implantation, 1434

Potential Contribution of a Novel Antifibrotic Factor, Hepatocyte Growth Factor, to Prevention of Myocardial Fibrosis by Angiotensin II Blockade in Cardiomyopathic Hamsters, 246

Prostacyclin Analogues Differentially Inhibit Growth of Distal and Proximal Human Pulmonary Artery Smooth Muscle Cells, 3130

Remodeling of Carotid Artery Is Associated With Increased Expression of Matrix Metalloproteinases in Mouse Blood Flow Cessation Model, 2861

Reverse Remodeling of Cardiac Myocyte Hypertrophy in Hypertension and Failure by Targeting of the Renin-Angiotensin System, 253

Role of Monocyte Chemoattractant Protein-1 in Cardiovascular Remodeling Induced by Chronic Blockade of Nitric Oxide Synthesis, 2243

Roles of P-Selectin in Inflammation, Neointimal Formation, and Vascular Remodeling in Balloon-Injured Rat Carotid Arteries, 1710

Selective Endothelin-A Versus Combined Endothelin-A/Endothelin-B Receptor Blockade in Rat Chronic Heart Failure, 491

Renal disease

Labile Repolarization From "Cell to Bedside", 817

Renal failure

Are Patients With Renal Failure Good Candidates for Percutaneous Coronary Revascularization in the New Device Era? 2966

Renin

Cardiac Endothelin System Impairs Left Ventricular Function in Renin-Dependent Hypertension via Decreased Sarcoplasmic Reticulum Ca^{2+} Uptake, 1582

Reperfusion

Anti-Stunning and Anti-Infarct Effects of Adenosine-Enhanced Ischemic Preconditioning, III-326

Cardiomyocyte Death Induced by Myocardial Ischemia and Reperfusion: Measurement With Recombinant Human Annexin-V in a Mouse Model, 1564

Elevated Troponin I Level on Admission Is Associated With Adverse Outcome of Primary Angioplasty in Acute Myocardial Infarction, 1611

Functional Protection by Acute Phase Proteins α_1-Acid Glycoprotein and α_1-Antitrypsin Against Ischemia/Reperfusion Injury by Preventing Apoptosis and Inflammation, 1420

Gene Therapy for Myocardial Protection: Transfection of Donor Hearts With Heat Shock Protein 70 Gene Protects Cardiac Function Against Ischemia-Reperfusion Injury, III-302
Inducible Nitric Oxide Synthase Mediates Delayed Myocardial Protection Induced by Activation of Adenosine A_1 Receptors: Evidence From Gene-Knockout Mice, 902
Involvement of CD95/Apo1/Fas in Cell Death After Myocardial Ischemia, 915
Ischemia-Reperfusion Injury at the Microvascular Level: Treatment by Endothelin A-Selective Antagonist and Evaluation by Myocardial Contrast Echocardiography, 3111
Myocardial Protection by Preconditioning of Heart With Losartan, an Angiotensin III Type 1-Receptor Blocker: Implication of Bradykinin-Dependent and Bradykinin-Independent Mechanisms, III-346
Na^+/H^+ Exchange Inhibitor Cariporide Attenuates Cell Injury Predominantly During Ischemia and Not at Onset of Reperfusion in Porcine Hearts With Low Residual Blood Flow, 1977
Survival Outcomes 1 Year After Reperfusion Therapy With Either Alteplase or Reteplase for Acute Myocardial Infarction: Results From the Global Utilization of Streptokinase and t-PA for Occluded Coronary Arteries (GUSTO) III Trial, 1761

Research training
Training the Next Generation of Biomedical Researchers: Challenges and Opportunities, 368

Respiration
Effects of Respiration and Gravity on Infradiaphragmatic Venous Flow in Normal and Fontan Patients, III-148
Hibernation in Noncontracting Mammalian Cardiomyocytes, 3124

Restenosis
Biodegradable Stents: "Fulfilling the Mission and Stepping Away", 371
Bolus Endovascular PDGFR-β Antisense Treatment Suppressed Intimal Hyperplasia in a Rat Carotid Injury Model, 1330
Direct Evidence for Cytokine Involvement in Neointimal Hyperplasia, 1697
Effect of Intracoronary γ-Radiation Therapy on In-Stent Restenosis: An Intravascular Ultrasound Analysis from the Gamma-1 Study, 2915
Effects of β-Emitting ^{188}Re Balloon in Stented: Porcine Coronary Arteries: An Angiographic, Intravascular Ultrasound, and Histomorphometric Study, 3117
Endothelins and Endothelin Receptor Antagonists: Therapeutic Considerations for a Novel Class of Cardiovascular Drugs, 2434
Endovascular Brachytherapy for Prophylaxis of Restenosis After Femoropopliteal Angioplasty: Results of a Prospective Randomized Study, 2694
Final Results of the Can Routine Ultrasound Influence Stent Expansion (CRUISE) Study, 523
Inhibition of Restenosis With β-Emitting Radiotherapy: Report of the Proliferation Reduction With Vascular Energy Trial (PREVENT), 951
Insertion/Deletion Polymorphism of the Angiotensin I-Converting Enzyme Gene Is Not Associated With Restenosis After Coronary Stent Placement, 197
Intrapericardial Paclitaxel Delivery Inhibits Neointimal Proliferation and Promotes Arterial Enlargement After Porcine Coronary Overstretch, 1575
Intravascular Adenovirus-Mediated VEGF-C Gene Transfer Reduces Neointima Formation in Balloon-Denuded Rabbit Aorta, 2262
Photoangioplasty: An Emerging Clinical Cardiovascular Role for Photodynamic Therapy, 591
A Prospective Analysis of the Immunogenicity of Cryopreserved Nonvalved Allografts Used in Pediatric Heart Surgery, III-179
Randomized Comparison of GR-II Stent and Palmaz-Schatz Stent for Elective Treatment of Coronary Stenoses, 1364
A Randomized Trial Comparing Stenting With Balloon Angioplasty in Small Vessels in Patients With Symptomatic Coronary Artery Disease, 2593
Regulated Expression of the BTEB2 Transcription Factor in Vascular Smooth Muscle Cells: Analysis of Developmental and Pathological Expression Profiles Shows Implications as a Predictive Factor for Restenosis, 2528
Roles of P-Selectin in Inflammation, Neointimal Formation, and Vascular Remodeling in Balloon-Injured Rat Carotid Arteries, 1710
Selective Estrogen Receptor Modulator Idoxifene Inhibits Smooth Muscle Cell Proliferation, Enhances Reendothelialization, and Inhibits Neointimal Formation In Vivo After Vascular Injury, III-281
Shear Stress Downregulation of Platelet-Derived Growth Factor Receptor-β and Matrix Metalloprotease-2 Is Associated With Inhibition of Smooth Muscle Cell Invasion and Migration, 225
Specific Cellular Features of Atheroma Associated With Development of Neointima After Carotid Endarterectomy: The Carotid Atherosclerosis and Restenosis Study, 771
Treatment of Aortocoronary Vein Graft Lesions With Membrane-Covered Stents: A Multicenter Surveillance Trial, 2024
Ultrasound-Guided Strategy for Provisional Stenting With Focal Balloon Combination Catheter: Results From the Randomized Strategy for Intracoronary Ultrasound-Guided PTCA and Stenting (SIPS) Trial, 2497

Resuscitation
Electrophysiological Deterioration During Long-Duration Ventricular Fibrillation, 2886
Multicenter, Randomized, Controlled Trial of 150-J Biphasic Shocks Compared With 200- to 360-J Monophasic Shocks in the Resuscitation of Out-of-Hospital Cardiac Arrest Victims, 1780
Randomized Comparison of Antiarrhythmic Drug Therapy With Implantable Defibrillators in Patients Resuscitated From Cardiac Arrest: The Cardiac Arrest Study Hamburg (CASH), 748

Revascularization
Complete Arterial Revascularization in Multivessel Coronary Artery Disease With 2 Conduits (Skeletonized Grafts and T Grafts), III-79
Does Cardioplegia Type Affect Outcome and Survival in Patients With Advanced Left Ventricular Dysfunction? Results From the CABG Patch Trial, III-84
Effect of Amlodipine on the Progression of Atherosclerosis and the Occurrence of Clinical Events, 1503
Folic Acid in Endothelial Function in Familial Hypercholesterolemia: Letter, e92, Response, e92
Interventional Treatment of Coronary Heart Disease and Peripheral Vascular Disease, IV-81
Magnetic Resonance Angiography of a Pulmonary Artery Stenosis Late After Cardiac Surgery, e71
Sex Differences in Management and Outcome After Acute Myocardial Infarction in the 1990s: A Prospective Observational Community-Based Study, 2484
Short- and Intermediate-Term Clinical Outcomes From Direct Myocardial Laser Revascularization Guided by Biosense Left Ventricular Electromechanical Mapping, 1120

Rho GTPase
Suppression of Endothelial Nitric Oxide Production After Withdrawal of Statin Treatment Is Mediated by Negative Feedback Regulation of Rho GTPase Gene Transcription, 3104

Risk
C-Reactive Protein as a Clinical Marker of Risk: Letter, e63, Response, e63

Risk factors
Alcohol Consumption and Risk of Coronary Heart Disease by Diabetes Status, 500
Analysis of 12-Lead T-Wave Morphology for Risk Stratification After Myocardial Infarction, 1252
Assessment of Functional Capacity in Clinical and Research Applications: An Advisory From the Committee on Exercise, Rehabilitation, and Prevention, Council on Clinical Cardiology, American Heart Association, 1591
Association of Coronary Heart Disease Risk Factors With Microscopic Qualities of Coronary Atherosclerosis in Youth, 374
Cardiorespiratory Fitness and Coronary Heart Disease Risk Factors: The LDS Hospital Fitness Institute Cohort, 1623
Cigarette Smoking: How Much Worse Can It Get? 1340
Clinical Outcome of Fenestrated Fontan Patients After Closure: The First 10 Years, 2094
Cognitive Development After the Fontan Operation, 883

Common Carotid Artery Intima-Media Thickness and Brain Infarction: The Étude du Profil Génétique de l'Infarctus Cérébral (GÉNIC) Case-Control Study, 313
Comparison of Novel Hemostatic Factors and Conventional Risk Factors for Prediction of Coronary Heart Disease, 2816
Core Components of Cardiac Rehabilitation/Secondary Prevention Programs: A Statement for Healthcare Professionals From the American Heart Association and the American Association of Cardiovascular and Pulmonary Rehabilitation, 1069
Cytomegalovirus Seropositivity and C-Reactive Protein Have Independent and Combined Predictive Value for Mortality in Patients With Angiographically Demonstrated Coronary Artery Disease, 1917
Depressive Symptoms and Risks of Coronary Heart Disease and Mortality in Elderly Americans, 1773
Effect of Dietary Patterns on Serum Homocysteine: Results of a Randomized, Controlled Feeding Study, 852
Explanation for the Decline in Coronary Heart Disease Mortality Rates in Auckland New Zealand Between 1982 and 1993, 1511
Host Response to Cytomegalovirus Infection as a Determinant of Susceptibility to Coronary Artery Disease: Sex-Based Differences in Inflammation and Type of Immune Response, 2491
Implications of Stroke Risk Criteria on the Anticoagulation Decision in Nonvalvular Atrial Fibrillation: The Anticoagulation and Risk Factors In Atrial Fibrillation (ATRIA) Study, 11
Moderate Alcohol Consumption and Risk of Coronary Heart Disease Among Women With Type 2 Diabetes Mellitus, 494
Physical Activity and Coronary Heart Disease in Men: The Harvard Alumni Health Study, 975
Plasma Homocysteine Predicts Mortality Independently of Traditional Risk Factors and C-Reactive Protein in Patients With Angiographically Defined Coronary Artery Disease, 1227
Recommendations for the Management of Patients With Unruptured Intracranial Aneurysms: A Statement for Healthcare Professionals From the Stroke Council of the American Heart Association, 2300
Risk Stratification in Patients With Inferior Acute Myocardial Infarction Treated by Percutaneous Coronary Interventions: The Role of Admission Troponin T, 2038
Skin Cancer in Heart Transplant Recipients: Risk Factor Analysis and Relevance of Immunosuppressive Therapy, III-222
Time to Presentation With Acute Myocardial Infarction in the Elderly: Associations With Race, Sex, and Socioeconomic Characteristics, 1651
TIMI Risk Score for ST-Elevation Myocardial Infarction: A Convenient, Bedside, Clinical Score for Risk Assessment at Presentation: An Intravenous nPA for Treatment of Infarcting Myocardium Early II Trial Substudy, 2031
Value of Serum-Soluble Intercellular Adhesion Molecule-1 for the Noninvasive Risk Assessment of Transplant Coronary Artery Disease, Posttransplant Ischemic Events, and Cardiac Graft Failure, 1549

Rotation
Diastolic Biomechanics in Normal Infants Utilizing MRI Tissue Tagging, 218

S

Salicylates
Aspirin and Salicylate: An Old Remedy With a New Twist, 2022

Salvage therapy
Early Assessment of Myocardial Salvage by Contrast-Enhanced Magnetic Resonance Imaging, 1678

Sarcoplasmic reticulum
Altered Stoichiometry of FKBP12.6 Versus Ryanodine Receptor as a Cause of Abnormal Ca^{2+} Leak Through Ryanodine Receptor in Heart Failure, 2131
Cardiac Endothelin System Impairs Left Ventricular Function in Renin-Dependent Hypertension via Decreased Sarcoplasmic Reticulum Ca^{2+} Uptake, 1582
Chronic α-Adrenergic Receptor Stimulation Modulates the Contractile Phenotype of Cardiac Myocytes In Vitro, 2249
Chronic Unloading by Left Ventricular Assist Device Reverses Contractile Dysfunction and Alters Gene Expression in End-Stage Heart Failure, 2713
Enhanced Ca^{2+} Release and Na/Ca Exchange Activity in Hypertrophied Canine Ventricular Myocytes: Potential Link Between Contractile Adaptation and Arrhythmogenesis, 2137

Scientific sessions
Meeting Highlights: Highlights of the 72nd Scientific Sessions of the American Heart Association, e1

Scintigraphy
Independent and Incremental Prognostic Value of ^{201}Tl Lung Uptake at Rest in Patients With Severe Postischemic Left Ventricular Dysfunction, 1795

Scleroderma
Hemodynamic Effects of Bosentan, an Endothelin Receptor Antagonist, in Patients With Pulmonary Hypertension, 411

Screening
Clinical Significance of Abnormal Electrocardiographic Patterns in Trained Athletes, 278

Sepsis
Congenital Deficiency of Nitric Oxide Synthase 2 Protects Against Endotoxin-Induced Myocardial Dysfunction in Mice, 1440

Septal defect
Tricuspid Atresia With Atrial Septal Defect, Ventricular Septal Defect, and Right Ventricular Hypoplasia Demonstrated by Multidetector Computed Tomography, e164

Serum albumin
Plasma Disappearance of Albumin and Impact of Capillary Thickness in Idiopathic Dilated Cardiomyopathy and After Heart Transplantation, 319

Sex
Host Response to Cytomegalovirus Infection as a Determinant of Susceptibility to Coronary Artery Disease: Sex-Based Differences in Inflammation and Type of Immune Response, 2491
Race, Sex, Poverty, and the Medical Treatment of Acute Myocardial Infarction in the Elderly, 642
Relationship of Infarct Artery Patency and Left Ventricular Ejection Fraction to Health-Related Quality of Life After Myocardial Infarction: The GUSTO-I Angiographic Study Experience, 1245
Sex and Outcome After Myocardial Infarction: A Case of Sexual Politics? 2458
Sex Differences in Management and Outcome After Acute Myocardial Infarction in the 1990s: A Prospective Observational Community-Based Study, 2484
Socioeconomic Status Is an Important Determinant of the Use of Invasive Procedures After Acute Myocardial Infarction in New York State, III-107
Time to Presentation With Acute Myocardial Infarction in the Elderly: Associations With Race, Sex, and Socioeconomic Characteristics, 1651

Shift work
Modifications of Cardiac Autonomic Profile Associated With a Shift Schedule of Work, 1912

Shock
Endotoxin-Induced Myocardial Tumor Necrosis Factor-α Synthesis Depresses Contractility of Isolated Rat Hearts: Evidence for a Role of Sphingosine and Cyclooxygenase-2-Derived Thromboxane Production, 2758
Initial Clinical Experience With Ambulatory Use of an Implantable Atrial Defibrillator for Conversion of Atrial Fibrillation, 1407

Signal transduction
Overexpression of G Protein-Coupled Receptor Kinase-2 in Smooth Muscle Cells Attenuates Mitogenic Signaling via G Protein-Coupled and Platelet-Derived Growth Factor Receptors, 793
Tumor Necrosis Factor-α Promotes In Vitro Calcification of Vascular Cells via the cAMP Pathway, 2636
Vascular Endothelial Growth Factor-A-Induced Chemotaxis of Monocytes Is Attenuated in Patients With Diabetes Mellitus: A Potential Predictor for the Individual Capacity to Develop Collaterals, 185

Sildenafil citrate
Cyclic Nucleotide Phosphodiesterase Type 5 Activity Limits Blood Flow to Hypoperfused Myocardium During Exercise, 2997
Effects of Sildenafil Citrate (Viagra) Combined With Nitrate on the Heart, 2516
Sildenafil (Viagra) Prolongs Cardiac Repolarization by Blocking the Rapid Component of the Delayed Rectifier Potassium Current, 275

Sympathetic Activation by Sildenafil, 3068

Sleep
Impairment of Endothelium-Dependent Vasodilation of Resistance Vessels in Patients With Obstructive Sleep Apnea, 2607

Sleep apnea, central
Effects Of Continuous Positive Airway Pressure On Cardiovascular Outcomes In Heart Failure Patients With and Without Cheyne-Stokes Respiration, 61

Smoking
Alcohol Consumption and Risk of Intermittent Claudication in the Framingham Heart Study, 3092
Cigarette Smoking: How Much Worse Can It Get? 1340
Coronary Heart Disease in Smokers: Vitamin C Restores Coronary Microcirculatory Function, 1233
Effects of Vitamin E Supplementation on F_2-Isoprostane and Thromboxane Biosynthesis in Healthy Cigarette Smokers, 539
Impact of Smoking on Health-Related Quality of Life After Percutaneous Coronary Revascularization, 1369
Olive Phenol Hydroxytyrosol Prevents Passive Smoking-Induced Oxidative Stress, 2169
Smoking and Aldosterone Synthase Polymorphism: Letter, e183, Response, e183
Smoking Increases Tissue Factor Expression in Atherosclerotic Plaques: Implications for Plaque Thrombogenicity, 602

Socioeconomic status
Socioeconomic Status Is an Important Determinant of the Use of Invasive Procedures After Acute Myocardial Infarction in New York State, III-107

Sodium
Arrhythmogenic Mechanism of an LQT-3 Mutation of the Human Heart Na^+ Channel α-Subunit: A Computational Analysis, 584
Molecular Pharmacology of the Sodium Channel Mutation D1790G Linked to the Long-QT Syndrome, 921

Stab wound
Penetrating Stab Injury of the Thoracic Aorta, 1068

Statins
Cardiovascular Benefit of Cholesterol-Lowering Therapy: Does Improved Endothelial Vasodilator Function Matter? 820
Simvastatin Improves Disturbed Endothelial Barrier Function, 2803
Suppression of Endothelial Nitric Oxide Production After Withdrawal of Statin Treatment Is Mediated by Negative Feedback Regulation of Rho GTPase Gene Transcription, 3104

Stenosis
Congenital Mitral Stenosis With or Without Associated Defects: An Evolving Surgical Strategy, III-166
Coronary Pressure Measurement to Assess the Hemodynamic Significance of Serial Stenoses Within One Coronary Artery: Validation in Humans, 2371
Cyclic Nucleotide Phosphodiesterase Type 5 Activity Limits Blood Flow to Hypoperfused Myocardium During Exercise, 2997
Effect of Renal Artery Stenting on Renal Function and Size in Patients With Atherosclerotic Renovascular Disease, 1671
Fetoscopic Direct Fetal Cardiac Access in Sheep: An Important Experimental Milestone Along the Route to Human Fetal Cardiac Intervention, 1602
Microtubule Depolymerization Normalizes In Vivo Myocardial Contractile Function in Dogs With Pressure-Overload Left Ventricular Hypertrophy, 1045
Proteolysis of von Willebrand Factor and Shear Stress-Induced Platelet Aggregation in Patients With Aortic Valve Stenosis, 1290

Stents
Application of the New York State PTCA Mortality Model in Patients Undergoing Stent Implantation, 517
Are Patients With Renal Failure Good Candidates for Percutaneous Coronary Revascularization in the New Device Era? 2966
Biodegradable Stents: "Fulfilling the Mission and Stepping Away", 371
Double-Blind Study of the Safety of Clopidogrel With and Without a Loading Dose in Combination With Aspirin Compared With Ticlopidine in Combination With Aspirin After Coronary Stenting: The Clopidogrel Aspirin Stent International Cooperative Study (CLASSICS), 624
Effect of Intracoronary γ-Radiation Therapy on In-Stent Restenosis: An Intravascular Ultrasound Analysis from the Gamma-1 Study, 2915
Effect of Renal Artery Stenting on Renal Function and Size in Patients With Atherosclerotic Renovascular Disease, 1671
Effects of β-Emitting ^{188}Re Balloon in Stented; Porcine Coronary Arteries: An Angiographic, Intravascular Ultrasound, and Histomorphometric Study, 3117
Emergency Polytetrafluoroethylene-Covered Stent Implantation to Treat Coronary Ruptures, 3028
Final Results of the Can Routine Ultrasound Influence Stent Expansion (CRUISE) Study, 523
Inhibition of Restenosis With β-Emitting Radiotherapy: Report of the Proliferation Reduction With Vascular Energy Trial (PREVENT), 951
Initial and 6-Month Results of Biodegradable Poly-*l*-Lactic Acid Coronary Stents in Humans, 399
Insertion/Deletion Polymorphism of the Angiotensin I-Converting Enzyme Gene Is Not Associated With Restenosis After Coronary Stent Placement, 197
Interventional Treatment of Coronary Heart Disease and Peripheral Vascular Disease, IV-81
Mechanism of Lumen Enlargement During Intracoronary Stent Implantation: An Intravascular Ultrasound Study, 7
Percutaneous Coronary Intervention in the Current Era Compared With 1985-1986: The National Heart, Lung, and Blood Institute Registries, 2945
Positive Geometric Vascular Remodeling Is Seen After Catheter-Based Radiation Followed by Conventional Stent Implantation but Not After Radioactive Stent Implantation, 1434
Pronounced Benefit of Coronary Stenting and Adjunctive Platelet Glycoprotein IIb/IIIa Inhibition in Complex Atherosclerotic Lesions, 28
Provisional Versus Routine Stenting: Routine Stenting Is Here To Stay, 2910
Randomized Comparison of Elective Stent Implantation and Coronary Balloon Angioplasty Guided by Online Quantitative Angiography and Intracoronary Doppler, 2938
Randomized Comparison of GR-II Stent and Palmaz-Schatz Stent for Elective Treatment of Coronary Stenoses, 1364
Randomized Comparison of Primary Stenting and Provisional Balloon Angioplasty Guided by Flow Velocity Measurement, 2930
A Randomized Trial Comparing Stenting With Balloon Angioplasty in Small Vessels in Patients With Symptomatic Coronary Artery Disease, 2593
Transcatheter Implantation of a Bovine Valve in Pulmonary Position: A Lamb Study, 813
Treatment of Aortocoronary Vein Graft Lesions With Membrane-Covered Stents: A Multicenter Surveillance Trial, 2024
Treatment of Iliac Artery Aneurysms by Percutaneous Implantation of Stent Grafts, III-253
Ultrasound-Guided Strategy for Provisional Stenting With Focal Balloon Combination Catheter: Results From the Randomized Strategy for Intracoronary Ultrasound-Guided PTCA and Stenting (SIPS) Trial, 2497

Strain
Myocardial Strain by Doppler Echocardiography: Validation of a New Method to Quantify Regional Myocardial Function, 1158

Stress
Anticipatory Blood Pressure Responses to Exercise Are Associated With Left Ventricular Mass in Finnish Men: Kuopio Ischemic Heart Disease Risk Factor Study, 1394
Assessment of Myocardial Perfusion by Harmonic Power Doppler Imaging at Rest and During Adenosine Stress: Comparison With ^{99m}Tc-Sestamibi SPECT Imaging, 55
Shear Stress Downregulation of Platelet-Derived Growth Factor Receptor-β and Matrix Metalloprotease-2 Is Associated With Inhibition of Smooth Muscle Cell Invasion and Migration, 225
Sympathetic Activation by Sildenafil, 3068

Stress testing
American College of Cardiology/American Heart Association Clinical Competence Statement on Stress Testing: A Report of the American College of Cardiology/American Heart Association/American College of Physicians-American Society of Internal Medicine Task Force on Clinical Competence, 1726
Recognition of Left Atrial Aneurysm by Fetal Echocardiography, 2282

Stroke
AHA Dietary Guidelines: Revision 2000: A Statement for Healthcare Professionals From the Nutrition Committee of the American Heart Association, 2284
Cerebrovascular Disease, IV-75
Common Carotid Artery Intima-Media Thickness and Brain Infarction: The Étude du Profil Génétique de l'Infarctus Cérébral (GÉNIC) Case-Control Study, 313
Implications of Stroke Risk Criteria on the Anticoagulation Decision in Nonvalvular Atrial Fibrillation: The Anticoagulation and Risk Factors In Atrial Fibrillation (ATRIA) Study, 11
Two-Year Changes in Blood Pressure and Subsequent Risk of Cardiovascular Disease in Men, 307
Structure
Left Ventricular Hypertrophy: Pathogenesis, Detection, and Prognosis, 470
Stunning, myocardial
Anti-Stunning and Anti-Infarct Effects of Adenosine-Enhanced Ischemic Preconditioning, III-326
Superoxides
Functional Effect of the C242T Polymorphism in the NAD(P)H Oxidase p22phox Gene on Vascular Superoxide Production in Atherosclerosis, 1744
Nitroglycerin Tolerance in Human Vessels: Evidence for Impaired Nitroglycerin Bioconversion, 2810
Surgery
Abnormal Cardiac Autonomic Nervous Activity After Right Ventricular Outflow Tract Reconstruction, 2732
Aortic Valve Repair for Adult Congenital Heart Disease: A 22-Year Experience, III-40
Cardiac Exercise Hemodynamics Late After Partial Left Ventriculectomy, III-200
Complete Arterial Revascularization in Multivessel Coronary Artery Disease With 2 Conduits (Skeletonized Grafts and T Grafts), III-79
Congenital Mitral Stenosis With or Without Associated Defects: An Evolving Surgical Strategy, III-166
Does Cardioplegia Type Affect Outcome and Survival in Patients With Advanced Left Ventricular Dysfunction? Results From the CABG Patch Trial, III-84
Effects of Biatrial Pacing in Prevention of Postoperative Atrial Fibrillation After Coronary Artery Bypass Surgery, 755
Evidence of *Trypanosoma cruzi* Infection (Chagas' Disease) Among Patients Undergoing Cardiac Surgery, 2978
Factors Affecting Longevity of Homograft Valves Used in Right Ventricular Outflow Tract Reconstruction for Congenital Heart Disease, III-130
HDL Cholesterol Level Predicts Survival in Men After Coronary Artery Bypass Graft Surgery: 20-Year Experience From The Cleveland Clinic Foundation, III-90
Humoral Immune Response During Coronary Artery Bypass Grafting: A Comparison of Limited Approach, "Off-Pump" Technique, and Conventional Cardiopulmonary Bypass, III-95
One-Year Clinical Outcome After Minimally Invasive Direct Coronary Artery Bypass, 2799
The Past 50 Years of Cardiovascular Surgery, IV-87
Peripheral Vascular Disease, IV-46
Quality of Life After Aortic Valve Replacement at the Age of >80 Years, III-70
Randomized, Double-Blind Trial of Simultaneous Right and Left Atrial Epicardial Pacing for Prevention of Post-Open Heart Surgery Atrial Fibrillation, 761
Ranking of Surgical Performance: Letter, e61, Response, e61
Recommendations for the Management of Patients With Unruptured Intracranial Aneurysms: A Statement for Healthcare Professionals From the Stroke Council of the American Heart Association, 2300
Results of Immediate Surgical Treatment of All Acute Type A Dissections, III-248
Severe Airflow Limitation After the Unifocalization Procedure: Clinical and Morphological Correlates, III-142
Survival After Reconstructive Surgery for Hypoplastic Left Heart Syndrome: A 15-Year Experience From a Single Institution, III-136
Ten-Year Experience of Chordal Replacement With Expanded Polytetrafluoroethylene in Mitral Valve Repair, III-30
Tetralogy of Fallot: Transannular and Right Ventricular Patching Equally Affect Late Functional Status, III-116
Tissue Engineering of Pulmonary Heart Valves on Allogenic Acellular Matrix Conduits: In Vivo Restoration of Valve Tissue, III-50
Treatment of Iliac Artery Aneurysms by Percutaneous Implantation of Stent Grafts, III-253
The Unclampable Ascending Aorta in Coronary Artery Bypass Patients: A Surgical Challenge of Increasing Frequency, 1497
Surgery, bypass
Augmentation of Coronary Blood Flow With Intra-Aortic Balloon Pump Counter-Pulsation, 364
Survival
Cytomegalovirus Seropositivity and C-Reactive Protein Have Independent and Combined Predictive Value for Mortality in Patients With Angiographically Demonstrated Coronary Artery Disease, 1917
Does Cardioplegia Type Affect Outcome and Survival in Patients With Advanced Left Ventricular Dysfunction? Results From the CABG Patch Trial, III-84
Elevated Levels of Plasma C-Reactive Protein Are Associated With Decreased Graft Survival in Cardiac Transplant Recipients, 2100
Evidence of Improving Prognosis in Heart Failure: Trends in Case Fatality in 66 547 Patients Hospitalized Between 1986 and 1995, 1126
Heat Shock Treatment Enhances Graft Cell Survival in Skeletal Myoblast Transplantation to the Heart, III-216
Infections During Left Ventricular Assist Device Support Do Not Affect Posttransplant Outcomes, III-194
Late Results of the Warm Heart Trial: The Influence of Nonfatal Cardiac Events on Late Survival, III-339
Progress in Heart Failure Management? Lessons from the Real World, 1076
Prosthesis-Patient Mismatch Affects Survival After Aortic Valve Replacement, III-5
Survival After Reconstructive Surgery for Hypoplastic Left Heart Syndrome: A 15-Year Experience From a Single Institution, III-136
What is the Optimal Age for Repair of Tetralogy of Fallot? III-123
Syncope
Dual-Chamber Pacing in the Treatment of Neurally Mediated Tilt-Positive Cardioinhibitory Syncope: Pacemaker Versus No Therapy: A Multicenter Randomized Study, 294
The Elusive Pathophysiology of Neurally Mediated Syncope, 2898
Sudden Death and Cardiovascular Collapse in Children With Restrictive Cardiomyopathy, 876
Systole
Single-Beat Estimation of End-Systolic Elastance Using Bilinearly Approximated Time-Varying Elastance Curve, 1983

T

T-wave alternans
Malignant T-Wave Alternans, e46
Tachyarrhythmias
Effect of Second-Phase Duration on the Strength-Duration Relation for Human Transvenous Defibrillation, 2239
Predictors of Atrial Fibrillation After Conventional and Beating Heart Coronary Surgery: A Prospective, Randomized Study, 1530
Tachycardia
Abnormal Baroreflex Responses in Patients With Idiopathic Orthostatic Intolerance, 3086
Anisotropic Reentry in a Perfused 2-Dimensional Layer of Rabbit Ventricular Myocardium, 2650
Contractile Adaptations Preserving Cardiac Output Predispose the Hypertrophied Canine Heart to Delayed Afterdepolarization-Dependent Ventricular Arrhythmias, 2145
Cryothermal Ablation of the Slow Pathway for the Elimination of Atrioventricular Nodal Reentrant Tachycardia, 2856
Localization of the Slow Conduction Zone During Reentrant Ventricular Tachycardia, 464
New Mechanism of Antiarrhythmic Drug Action: Increasing L-Type Calcium Current Prevents Reentrant Ventricular Tachycardia in the Infarcted Canine Heart, 2417

A Noninvasive Imaging Modality for Cardiac Arrhythmias, 2152
Tremor-Induced ECG Artifact Mimicking Ventricular Tachycardia, 1337
Ventricular Tachycardia: A Complication of an Intramyocardial Echinococcal Cyst, 123
Wide-Complex Tachycardia, e52

Testosterone
Low-Dose Transdermal Testosterone Therapy Improves Angina Threshold in Men With Chronic Stable Angina: A Randomized, Double-Blind, Placebo-Controlled Study, 1906

Tests
Assessment of Functional Capacity in Clinical and Research Applications: An Advisory From the Committee on Exercise, Rehabilitation, and Prevention, Council on Clinical Cardiology, American Heart Association, 1591
Investigation of Chronic Venous Insufficiency: A Consensus Statement, e126
Safety and Utility of Exercise Testing in Emergency Room Chest Pain Centers: An Advisory From the Committee on Exercise, Rehabilitation, and Prevention, Council on Clinical Cardiology, American Heart Association, 1463

Tetrahydrobiopterin
Endothelial Dysfunction of Coronary Resistance Arteries Is Improved by Tetrahydrobiopterin in Atherosclerosis, 2172

Tetralogy of Fallot
Both β_2- and β_1-Adrenergic Receptors Mediate Hastened Relaxation and Phosphorylation of Phospholamban and Troponin I in Ventricular Myocardium of Fallot Infants, Consistent With Selective Coupling of β_2-Adrenergic, 1814
Tetralogy of Fallot: Transannular and Right Ventricular Patching Equally Affect Late Functional Status, III-116
What is the Optimal Age for Repair of Tetralogy of Fallot? III-123

Therapy
Antiplatelet Therapy in Clinical Practice, e50

Thoracotomy
Fetoscopic Direct Fetal Cardiac Access in Sheep: An Important Experimental Milestone Along the Route to Human Fetal Cardiac Intervention, 1602

Thrombin
Participation of Tyrosine Phosphorylation in Cytoskeletal Reorganization, $\alpha_{IIb}\beta_3$ Integrin Receptor Activation, and Aspirin-Insensitive Mechanisms of Thrombin-Stimulated Human Platelets, 1924
Simvastatin Improves Disturbed Endothelial Barrier Function, 2803
Ultrasound-Guided Thrombin Injection for the Treatment of Postcatheterization Pseudoaneurysms, 2391

Thrombolysis
Brief Antecedent Ischemia Enhances Recombinant Tissue Plasminogen Activator-Induced Coronary Thrombolysis by Adenosine-Mediated Mechanism, 88
Cerebrovascular Disease, IV-75
Flow Cytometric Monitoring of Glycoprotein IIb/IIIa Blockade and Platelet Function in Patients With Acute Myocardial Infarction Receiving Reteplase, Abciximab, and Ticlopidine: Continuous Platelet Inhibition by the Combination of Abciximab and Ticlopidine, 1490
Polyethylene Glycol-Derivatized Cysteine-Substitution Variants of Recombinant Staphylokinase for Single-Bolus Treatment of Acute Myocardial Infarction, 1766
Prospective, Randomized, Infancy-Onset Trial of the Effects of a Low-Saturated-Fat, Low-Cholesterol Diet on Serum Lipids and Lipoproteins Before School Age: The Special Turku Coronary Risk Factor Intervention Project (STRIP), 1477
Sex Differences in Management and Outcome After Acute Myocardial Infarction in the 1990s: A Prospective Observational Community-Based Study, 2484
Ultrasound Imaging-Guided Noninvasive Ultrasound Thrombolysis: Preclinical Results, 238

Thromboplastin
Endogenous Tissue Factor Pathway Inhibitor Modulates Thrombus Formation in an In Vivo Model of Rabbit Carotid Artery Stenosis and Endothelial Injury, 113
Smoking Increases Tissue Factor Expression in Atherosclerotic Plaques: Implications for Plaque Thrombogenicity, 602

Thrombosis
1α,25-Dihydroxyvitamin D_3 and Its Potent Synthetic Analogs Downregulate Tissue Factor and Upregulate Thrombomodulin Expression in Monocytic Cells, Counteracting the Effects of Tumor Necrosis Factor and Oxidized LDL, 2867
Anticardiolipin Antibodies and Recurrent Coronary Events: A Prospective Study of 1150 Patients, 1258
Biodegradable Stents: "Fulfilling the Mission and Stepping Away", 371
Double-Blind Study of the Safety of Clopidogrel With and Without a Loading Dose in Combination With Aspirin Compared With Ticlopidine in Combination With Aspirin After Coronary Stenting: The Clopidogrel Aspirin Stent International Cooperative Study (CLASSICS), 624
Increased Plasma P-Selectin and Decreased Thrombomodulin in Pulmonary Arterial Hypertension Were Improved by Continuous Prostacyclin Therapy, 2720
Insertion/Deletion Polymorphism of the Angiotensin I-Converting Enzyme Gene Is Not Associated With Restenosis After Coronary Stent Placement, 197
Investigation of Chronic Venous Insufficiency: A Consensus Statement, e126
Serotonin Increases Interleukin-6 Synthesis in Human Vascular Smooth Muscle Cells, 2522
Thrombomodulin Overexpression to Limit Neointima Formation, 332
Treatment of Aortocoronary Vein Graft Lesions With Membrane-Covered Stents: A Multicenter Surveillance Trial, 2024
Treatment of Proximal Deep Vein Thrombosis With a Novel Synthetic Compound (SR90107A/ORG31540) With Pure Anti-Factor Xa Activity: A Phase II Evaluation, 2726

Thromboxane
Effects of Vitamin E Supplementation on F_2-Isoprostane and Thromboxane Biosynthesis in Healthy Cigarette Smokers, 539
Oxidant Stress and Aspirin-Insensitive Thromboxane Biosynthesis in Severe Unstable Angina, 1007

Thrombus
Catalytic Life of Activated Factor XIII in Thrombi: Implications for Fibrinolytic Resistance and Thrombus Aging, 1151
Treatment of Acute Stanford Type B Aortic Dissection With a Novel Cylindrical Balloon Catheter in Dogs, III-259

Ticlopidine
Double-Blind Study of the Safety of Clopidogrel With and Without a Loading Dose in Combination With Aspirin Compared With Ticlopidine in Combination With Aspirin After Coronary Stenting: The Clopidogrel Aspirin Stent International Cooperative Study (CLASSICS), 624

Tirofiban
Glycoprotein IIb/IIIa Receptor Blockade Improves Outcomes in Diabetic Patients Presenting With Unstable Angina/Non-ST-Elevation Myocardial Infarction: Results From the Platelet Receptor Inhibition in Ischemic Syndrome Management in Patients, 2466

Tissue
Functional Living Trileaflet Heart Valves Grown In Vitro, III-44
Limitation of Excessive Extracellular Matrix Turnover May Contribute to Survival Benefit of Spironolactone Therapy in Patients With Congestive Heart Failure: Insights From the Randomized Aldactone Evaluation Study (RALES), 2700
Tissue Engineering of Pulmonary Heart Valves on Allogenic Acellular Matrix Conduits: In Vivo Restoration of Valve Tissue, III-50

Tissue engineering
Early In Vivo Experience With Tissue-Engineered Trileaflet Heart Valves, III-22

Tocopherol
Vitamin E Reduces the Uptake of Oxidized LDL by Inhibiting CD36 Scavenger Receptor Expression in Cultured Aortic Smooth Muscle Cells, 82

Tomography
Altered Myocardial Microvascular 3D Architecture in Experimental Hypercholesterolemia, 2028
Assessment of Myocardial Perfusion by Harmonic Power Doppler Imaging at Rest and During Adenosine Stress: Comparison With ^{99m}Tc-Sestamibi SPECT Imaging, 55
Coronary Artery Fly-Through Using Electron Beam Computed Tomography, e6

Coronary Heart Disease in Smokers: Vitamin C Restores Coronary Microcirculatory Function, 1233
Noninvasive Coronary Angiography by Retrospectively ECG-Gated Multislice Spiral CT, 2823
Prevalence of Myocardial Viability as Detected by Positron Emission Tomography in Patients With Ischemic Cardiomyopathy: Letter, e31, Response, e31
Probabilistic Model for Prediction of Angiographically Defined Obstructive Coronary Artery Disease Using Electron Beam Computed Tomography Calcium Score Strata, 380

Tomography, electron-beam computed
American College of Cardiology/American Heart Association Expert Consensus Document on Electron-Beam Computed Tomography for the Diagnosis and Prognosis of Coronary Artery Disease, 126

Torsade de pointes
Arrhythmogenic Mechanism of an LQT-3 Mutation of the Human Heart Na^+ Channel α-Subunit: A Computational Analysis, 584
Spectrum of Mutations in Long-QT Syndrome Genes: *KVLQT1, HERG, SCN5A, KCNE1,* and *KCNE2*, 1178

Transcription factors
Angiogenesis Is Induced in a Rabbit Model of Hindlimb Ischemia by Naked DNA Encoding an HIF-1α/VP16 Hybrid Transcription Factor, 2255

Transfusion
Evidence of *Trypanosoma cruzi* Infection (Chagas' Disease) Among Patients Undergoing Cardiac Surgery, 2978

Transplantation
Activation of the Heart by Donor Brain Death Accelerates Acute Rejection After Transplantation, 2426
Arterial Remodeling: Mechanisms and Clinical Implications, 1186
Bioengineered Cardiac Grafts: A New Approach to Repair the Infarcted Myocardium? III-56
Changes in Surface Expression of Platelet Membrane Glycoproteins and Progression of Heart Transplant Vasculopathy, 890
Development of a Novel Method for Cell Transplantation Through the Coronary Artery, III-359
Elevated Levels of Plasma C-Reactive Protein Are Associated With Decreased Graft Survival in Cardiac Transplant Recipients, 2100
Elevated Tumor Necrosis Factor-α and Interleukin-6 in Myocardium and Serum of Malfunctioning Donor Hearts, III-352
Endothelins and Endothelin Receptor Antagonists: Therapeutic Considerations for a Novel Class of Cardiovascular Drugs, 2434
Ex Vivo Antisense Oligonucleotides to Proliferating Cell Nuclear Antigen and Cdc2 Kinase Inhibit Graft Coronary Artery Disease, III-237
Gene Therapy for Myocardial Protection: Transfection of Donor Hearts With Heat Shock Protein 70 Gene Protects Cardiac Function Against Ischemia-Reperfusion Injury, III-302
Heart Cell Transplantation Improves Heart Function in Dilated Cardiomyopathic Hamsters, III-204
Heat Shock Treatment Enhances Graft Cell Survival in Skeletal Myoblast Transplantation to the Heart, III-216
Hirudin Reduces Tissue Factor Expression and Attenuates Graft Arteriosclerosis in Rat Cardiac Allografts, 357
Infections During Left Ventricular Assist Device Support Do Not Affect Posttransplant Outcomes, III-194
Intramyocardial Transplantation of Autologous Myoblasts: Can Tissue Processing Be Optimized? III-210
Skin Cancer in Heart Transplant Recipients: Risk Factor Analysis and Relevance of Immunosuppressive Therapy, III-222
Systemic Inflammatory Response in Cardiac Allograft Vasculopathy: High-Sensitive C-Reactive Protein Is Associated With Progressive Luminal Obstruction, III-233
Tumor Necrosis Factor-α Is Expressed in Donor Heart and Predicts Right Ventricular Failure After Human Heart Transplantation, 326
Value of Serum-Soluble Intercellular Adhesion Molecule-1 for the Noninvasive Risk Assessment of Transplant Coronary Artery Disease, Posttransplant Ischemic Events, and Cardiac Graft Failure, 1549
Zinc-Mediated Reduction of Apoptosis in Cardiac Allografts, III-228

Transposition of great vessels
Failure of Stroke Volume Augmentation During Exercise and Dobutamine Stress Is Unrelated to Load-Independent Indexes of Right Ventricular Performance After the Mustard Operation, III-154
Pediatric Cardiology and Cardiovascular Surgery: 1950-2000, IV-58

Tremors
Tremor-Induced ECG Artifact Mimicking Ventricular Tachycardia, 1337

Trials
Effect of Amlodipine on the Progression of Atherosclerosis and the Occurrence of Clinical Events, 1503
Hemodynamic Effects of Bosentan, an Endothelin Receptor Antagonist, in Patients With Pulmonary Hypertension, 411
Impact of Smoking on Health-Related Quality of Life After Percutaneous Coronary Revascularization, 1369
Late Results of the Warm Heart Trial: The Influence of Nonfatal Cardiac Events on Late Survival, III-339
Limitation of Excessive Extracellular Matrix Turnover May Contribute to Survival Benefit of Spironolactone Therapy in Patients With Congestive Heart Failure: Insights From the Randomized Aldactone Evaluation Study (RALES), 2700
Postscripts From the Post Coronary Artery Bypass Graft Trial: The Sustained Benefit of More Aggressive Cholesterol Lowering and the Enigma of Low-Dose Anticoagulation, 144
Progress in Heart Failure Management? Lessons from the Real World, 1076
Response to Antihypertensive Therapy in Older Patients With Sustained and Nonsustained Systolic Hypertension, 1139

Triglycerides
Secondary Prevention by Raising HDL Cholesterol and Reducing Triglycerides in Patients With Coronary Artery Disease: The Bezafibrate Infarction Prevention (BIP) Study, 21

Troglitazone
Peroxisome Proliferator-Activated Receptor γ Activators Downregulate Angiotensin II Type 1 Receptor in Vascular Smooth Muscle Cells, 1834

Troponins
Extensive Troponin I and T Modification Detected in Serum From Patients With Acute Myocardial Infarction, 1221
It's Time for a Change to a Troponin Standard, 1216
Risk Stratification in Patients With Inferior Acute Myocardial Infarction Treated by Percutaneous Coronary Interventions: The Role of Admission Troponin T, 2038

Trypanosoma cruzi
Evidence of *Trypanosoma cruzi* Infection (Chagas' Disease) Among Patients Undergoing Cardiac Surgery, 2978

Tumor necrosis factor
Nitric Oxide Provokes Tumor Necrosis Factor-α Expression in Adult Feline Myocardium Through a cGMP-Dependent Pathway, 1302

Tyrosine kinases
Participation of Tyrosine Phosphorylation in Cytoskeletal Reorganization, $\alpha_{IIb}\beta_3$ Integrin Receptor Activation, and Aspirin-Insensitive Mechanisms of Thrombin-Stimulated Human Platelets, 1924

U

Ultrasonics
Aging, Habitual Exercise, and Dynamic Arterial Compliance, 1270
Characterization of Plaque Components With Intravascular Ultrasound Elastography in Human Femoral and Coronary Arteries In Vitro, 617
Closed Relation Between Carotid and Ascending Aortic Atherosclerosis in Cardiac Patients, III-263
Effect of Amlodipine on the Progression of Atherosclerosis and the Occurrence of Clinical Events, 1503
Feasibility of a Novel Blood Noise Reduction Algorithm to Enhance Reproducibility of Ultra-High-Frequency Intravascular Ultrasound Images, 1657
Final Results of the Can Routine Ultrasound Influence Stent Expansion (CRUISE) Study, 523
First Human Experience With Pulmonary Vein Isolation Using a Through-the-Balloon Circumferential Ultrasound Ablation System for Recurrent Atrial Fibrillation, 1879
Immediate Changes of Collateral Function After Successful Recanalization of Chronic Total Coronary Occlusions, 2959
Intravascular Ultrasound for Stent Implantation in Aortic Dissection, 480

Mechanism of Lumen Enlargement During Intracoronary Stent Implantation: An Intravascular Ultrasound Study, 7
Monitoring Embolism in Real Time, 826
Myocardial Strain by Doppler Echocardiography: Validation of a New Method to Quantify Regional Myocardial Function, 1158
Noninvasive Imaging of Inflammation by Ultrasound Detection of Phagocytosed Microbubbles, 531
Peripheral Vascular Disease, IV-46
Positive Geometric Vascular Remodeling Is Seen After Catheter-Based Radiation Followed by Conventional Stent Implantation but Not After Radioactive Stent Implantation, 1434
Quantitative Ultrasonic Tissue Characterization Can Identify High-Risk Atherosclerotic Alteration in Human Carotid Arteries, 766
Relationship Between Circadian Blood Pressure Patterns and Progression of Early Carotid Atherosclerosis: A 3-Year Follow-Up Study, 1536
True 3-Dimensional Reconstruction of Coronary Arteries in Patients by Fusion of Angiography and IVUS (ANGUS) and Its Quantitative Validation, 511
Ultrasound-Guided Thrombin Injection for the Treatment of Postcatheterization Pseudoaneurysms, 2391
Ultrasound Imaging-Guided Noninvasive Ultrasound Thrombolysis: Preclinical Results, 238

V

Vacuolar H^+-ATPase
Vacuolar H^+-ATPase Plays a Crucial Role in Growth and Phenotypic Modulation of Myofibroblasts in Cultured Human Saphenous Vein, III-269
Valve replacement
Percutaneous Embolization of Thoracic Duct Injury, 268
Severe Mitral Regurgitation After Valve Replacement as Cause of Pulmonary Venous Aneurysm, 2159
Valves
Aortic Root Characteristics of Human Pulmonary Autografts, III-15
Aortic Valve Repair for Adult Congenital Heart Disease: A 22-Year Experience, III-40
Assessment of Severity of Aortic Regurgitation Using the Width of the Vena Contracta: A Clinical Color Doppler Imaging Study, 558
Bicuspid Aortic Valves Are Associated With Aortic Dilatation Out of Proportion to Coexistent Valvular Lesions, III-35
Congenital Mitral Stenosis With or Without Associated Defects: An Evolving Surgical Strategy, III-166
Cryopreservation of Rat Aortic Valves Results in Increased Structural Failure, III-75
Early In Vivo Experience With Tissue-Engineered Trileaflet Heart Valves, III-22
Evidence for Possible Involvement of 5-HT^{2B} Receptors in the Cardiac Valvulopathy Associated With Fenfluramine and Other Serotonergic Medications, 2836
Factors Affecting Longevity of Homograft Valves Used in Right Ventricular Outflow Tract Reconstruction for Congenital Heart Disease, III-130
Fetoscopic Direct Fetal Cardiac Access in Sheep: An Important Experimental Milestone Along the Route to Human Fetal Cardiac Intervention, 1602
Functional Living Trileaflet Heart Valves Grown In Vitro, III-44
Investigation of Chronic Venous Insufficiency: A Consensus Statement, e126
Midterm Echocardiographic Follow-Up After Ross Operation, III-10
The Naming of Jugular Venous Valves: Letter, e181, Response, e181
Prospectively Randomized Comparison of Different Mechanical Aortic Valves, III-1
Prosthesis-Patient Mismatch Affects Survival After Aortic Valve Replacement, III-5
Proteolysis of von Willebrand Factor and Shear Stress-Induced Platelet Aggregation in Patients With Aortic Valve Stenosis, 1290
Quality of Life After Aortic Valve Replacement at the Age of >80 Years, III-70
Randomized, Double-Blind Trial of Simultaneous Right and Left Atrial Epicardial Pacing for Prevention of Post-Open Heart Surgery Atrial Fibrillation, 761
Tissue Engineering of Pulmonary Heart Valves on Allogenic Acellular Matrix Conduits: In Vivo Restoration of Valve Tissue, III-50
Transcatheter Implantation of a Bovine Valve in Pulmonary Position: A Lamb Study, 813
Valvuloplasty
Coordinate-Free Analysis of Mitral Valve Dynamics in Normal and Ischemic Hearts, III-62
Late Results of Percutaneous Balloon Mitral Valvuloplasty: The Chinese Experience: Letter, e18, Response, e18
Surgical Management of Mitral Regurgitation After Repair of Endocardial Cushion Defects: Early and Midterm Results, III-160
Vasculature
Aerosol Gene Transfer With Inducible Nitric Oxide Synthase Reduces Hypoxic Pulmonary Hypertension and Pulmonary Vascular Remodeling in Rats, 2880
Changes in Surface Expression of Platelet Membrane Glycoproteins and Progression of Heart Transplant Vasculopathy, 890
Differential Effects of Eicosapentaenoic Acid and Docosahexaenoic Acid on Vascular Reactivity of the Forearm Microcirculation in Hyperlipidemic, Overweight Men, 1264
Selective Estrogen Receptor Modulator Idoxifene Inhibits Smooth Muscle Cell Proliferation, Enhances Reendothelialization, and Inhibits Neointimal Formation In Vivo After Vascular Injury, III-281
Vascular Biology: The Past 50 Years, IV-112
Vasoconstriction
Endothelial Dysfunction After Repeated *Chlamydia pneumoniae* Infection in Apolipoprotein E-Knockout Mice, 1039
Vasodilation
Acute Hemodynamic and Clinical Effects of Levosimendan in Patients With Severe Heart Failure, 2222
Cardiovascular Benefit of Cholesterol-Lowering Therapy: Does Improved Endothelial Vasodilator Function Matter? 820
Chronic 17β-Estradiol Replacement Increases Nitric Oxide-Mediated Vasodilation of Guinea Pig Coronary Microcirculation, 445
Endothelial Dysfunction in Men With Small LDL Particles, 716
Regular Aerobic Exercise Prevents and Restores Age-Related Declines in Endothelium-Dependent Vasodilation in Healthy Men, 1351
Veins
Difference in Endothelium-Derived Hyperpolarizing Factor-Mediated Hyperpolarization and Nitric Oxide Release Between Human Internal Mammary Artery and Saphenous Vein, III-296
Effects of Respiration and Gravity on Infradiaphragmatic Venous Flow in Normal and Fontan Patients, III-148
Electrophysiological Breakthroughs From the Left Atrium to the Pulmonary Veins, 2463
Investigation of Chronic Venous Insufficiency: A Consensus Statement, e126
Transition From Atrioventricular Node Reentry Tachycardia to Atrial Fibrillation Begins in the Pulmonary Veins, 937
Vacuolar H^+-ATPase Plays a Crucial Role in Growth and Phenotypic Modulation of Myofibroblasts in Cultured Human Saphenous Vein, III-269
Vena cava, superior
Initiation of Atrial Fibrillation by Ectopic Beats Originating From the Superior Vena Cava: Electrophysiological Characteristics and Results of Radiofrequency Ablation, 67
Ventilation
Quantitative General Theory for Periodic Breathing in Chronic Heart Failure and its Clinical Implications, 2214
Severe Airflow Limitation After the Unifocalization Procedure: Clinical and Morphological Correlates, III-142
Ventricles
Cardiac Exercise Hemodynamics Late After Partial Left Ventriculectomy, III-200
Contrasting Efficacy of Dofetilide in Differing Experimental Models of Atrial Fibrillation, 104
Determinants of the Degree of Functional Mitral Regurgitation in Patients With Systolic Left Ventricular Dysfunction: A Quantitative Clinical Study, 1400
Effect of Second-Phase Duration on the Strength-Duration Relation for Human Transvenous Defibrillation, 2239
Effects of Combined Angiotensin II and Endothelin Receptor Blockade With Developing Heart Failure: Effects on Left Ventricular Performance, 1447
Insulin Resistance and Hyperinsulinemia: No Independent Relation to Left Ventricular Mass in Humans, 2233

Real-Time Three-Dimensional Echocardiographic Study of Left Ventricular Function After Infarct Exclusion Surgery for Ischemic Cardiomyopathy, III-101
Single-Beat Estimation of End-Systolic Elastance Using Bilinearly Approximated Time-Varying Elastance Curve, 1983
Ventricular assist device
Multislice Spiral CT Follow-Up of a Patient With Implanted DeBakey Ventricular Assist Device, 1871
Pulsatile Flow in Patients With a Novel Nonpulsatile Implantable Ventricular Assist Device, III-183
Ventricular contractile function
Augmentation of Coronary Blood Flow With Intra-Aortic Balloon Pump Counter-Pulsation, 364
Ventricular dysfunction
Left Ventricular Performance in Ischemic Right Ventricular Dysfunction: Letter, e107
Ventricular outflow tract
Right Ventricular Myxoma Obstructing the Right Ventricular Outflow Tract, e14
Vessels
Can Aerobic Exercise Training Be Hazardous to Human Vessels? Letter, e168. Response, e168
Endothelial Dysfunction of Coronary Resistance Arteries Is Improved by Tetrahydrobiopterin in Atherosclerosis, 2172
Noninvasive Coronary Vessel Wall and Plaque Imaging With Magnetic Resonance Imaging, 2582
Vineberg procedure
Unilateral Vineberg Arterial Graft With a Patency of 30 Years, 1724
Viruses
Antioxidant Effect of Estrogen on Cytomegalovirus-Induced Gene Expression in Coronary Artery Smooth Muscle Cells, 2990
Cardiac Dysfunction and Mortality in HIV-Infected Children: The Prospective P^2C^2 HIV Multicenter Study, 1542
Chlamydia pneumoniae, Herpes Simplex Virus Type 1, and Cytomegalovirus and Incident Myocardial Infarction and Coronary Heart Disease Death in Older Adults: The Cardiovascular Health Study, 2335
Gene Transfer of Human Prostacyclin Synthase Ameliorates Monocrotaline-Induced Pulmonary Hypertension in Rats, 2005
Herpesvirus Infection Accelerates Atherosclerosis in the Apolipoprotein E-Deficient Mouse, 779
Intravascular Adenovirus-Mediated VEGF-C Gene Transfer Reduces Neointima Formation in Balloon-Denuded Rabbit Aorta, 2262
Nitric Oxide Inhibits Dystrophin Proteolysis by Coxsackieviral Protease 2A Through S-Nitrosylation: A Protective Mechanism Against Enteroviral Cardiomyopathy, 2276
Selective Targeting of Gene Transfer to Vascular Endothelial Cells by Use of Peptides Isolated by Phage Display, 231
Thrombomodulin Overexpression to Limit Neointima Formation, 332
Vitamins
Coronary Heart Disease in Smokers: Vitamin C Restores Coronary Microcirculatory Function, 1233
Effects of Vitamin E Supplementation on F_2-Isoprostane and Thromboxane Biosynthesis in Healthy Cigarette Smokers, 539
Low-Density Lipoprotein Postsecretory Modification, Monocyte Function, and Circulating Adhesion Molecules in Type 2 Diabetic Patients With and Without Macrovascular Complications: The Effect of α-Tocopherol Supplementation, 191
Von Willebrand factor
Improvement of von Willebrand Factor Proteolysis After Prostacyclin Infusion in Severe Pulmonary Arterial Hypertension, 2460
Proteolysis of von Willebrand Factor and Shear Stress-Induced Platelet Aggregation in Patients With Aortic Valve Stenosis, 1290

W

Waist circumference
Hypertriglyceridemic Waist: A Marker of the Atherogenic Metabolic Triad (Hyperinsulinemia, Hyperapolipoprotein B, Small, Dense LDL) in Men? 179
Warfarin sodium
Effect of Coumarins Started Before Coronary Angioplasty on Acute Complications and Long-Term Follow-Up: A Randomized Trial, 386
Waves
Analysis of 12-Lead T-Wave Morphology for Risk Stratification After Myocardial Infarction, 1252
Spectrum of ST-T-Wave Patterns and Repolarization Parameters in Congenital Long-QT Syndrome: ECG Findings Identify Genotypes, 2849
Widening of the Excitable Gap During Pharmacological Cardioversion of Atrial Fibrillation in the Goat: Effects of Cibenzoline, Hydroquinidine, Flecainide, and d-Sotalol, 260
Wolff-Parkinson-White syndrome
Efficacy and Safety of an Irrigated-Tip Catheter for the Ablation of Accessory Pathways Resistant to Conventional Radiofrequency Ablation, 2565
Women
Cardiorespiratory Fitness and Coronary Heart Disease Risk Factors: The LDS Hospital Fitness Institute Cohort, 1623
Homozygosity for 807 T Polymorphism in α_2 Subunit of Platelet $\alpha_2\beta_1$ Is Associated With Increased Risk of Cardiovascular Mortality in High-Risk Women, 1645
Peripheral Arterial Disease in Randomized Trial of Estrogen With Progestin in Women With Coronary Heart Disease: The Heart and Estrogen/Progestin Replacement Study, 2228
Socioeconomic Status Is an Important Determinant of the Use of Invasive Procedures After Acute Myocardial Infarction in New York State, III-107

Y

Youth
Association of Coronary Heart Disease Risk Factors With Microscopic Qualities of Coronary Atherosclerosis in Youth, 374